

LIFE



IN THIS ISSUE
PART II OF BRADLEY'S STORY
PATTON vs. MONTY

ESTHER WILLIAMS

BIG-MONEY MERMAID

20 CENTS

APRIL 16, 1951

CIRCULATION OVER

5,200,000



Paul Stone photo

Commander and other major Studebaker models will be available in 1951. Wheel trim rings and white sidewall tires available, at extra cost.

Your thrifty one for '51 and years to come!

Great new Studebaker Commander V-8

It's a new type V-8—and a marvelous buy!
Saves gas every mile—never needs premium fuel!
A star in style! A stand-out in performance!

THE 1951 STUDEBAKER CHAMPION IS THE TOP VALUE OF THE TOP 4 LOWEST PRICE CARS!

©1951, The Studebaker Corporation, South Bend 27, Indiana, U.S.A.



Why did she leave him that way?

HE FELT a strange, new, emotional thrill that evening. She had been perfectly enchanting. And before him floated visions of—well—everything he had dreamed of during the lonely periods of his bachelor days.

Yet he couldn't express himself. When he pleaded for permission to call next evening, her reply was a crisp, cool "No!"; and, with scarcely a "Good night", she darted out of his car, up to her door and was gone . . . so hurriedly, that she forgot her gloves. He was puzzled and discouraged and hurt.

Are You Guilty?

The insidious thing about halitosis (unpleasant breath) is that you, yourself, may not know that you have it . . . and even your best friends won't tell you. It may be

absent one day and present the next. And whenever it is, you offend needlessly. Sometimes, of course, halitosis comes from some systemic disorder. But usually—

and fortunately—it is only a local condition that yields to the regular use of Listerine Antiseptic as a mouth wash and gargle.

Why risk offending when Listerine Antiseptic is such a simple, wholly delightful and extra-careful precaution against halitosis? Never, never omit it, night or morning, or before any date when you want to be at your best.

Sweetens for Hours

Listerine Antiseptic is the extra-careful precaution because it freshens and sweetens the breath . . . not for mere seconds or minutes . . . but for hours, usually. When you want that extra assurance, don't trust makeshifts. Trust Listerine Antiseptic. Make it a part of your passport to popularity. Lambert Pharmaceutical Co., St. Louis, Mo.

Before any date . . . LISTERINE ANTISEPTIC

This One



6FGO-GAH-WG10

Here is some interesting news about your automobile

Just suppose you are driving at 40 miles an hour on a level road. The power, of course, comes from the gasoline you feed your motor. Yet 50% of the power generated by the motor doesn't do a thing to make your car go farther or faster, or climb a steeper hill.

Why? Because that power never gets to the rear wheels. It is used to overcome *engine friction*. And we don't ask you to take our word for it—America's automotive engineers have *proved* it.

Now, along comes a motor oil that proves it *further reduces* this engine friction. Which means the engine delivers the same power with *less gasoline*.

It's simple as ABC: The *less engine friction*, the *less gas* it takes to run your car.

This has been strikingly demonstrated in recent months. Hundreds and hundreds of cars—cars of all makes and ages—cars that had been using *every* nationally known brand of motor oil—were given the Dynamometer Test. This is a machine devised by engineers to measure the power an engine delivers to the rear wheels.

And what happened? After the oil in these cars had been changed to Macmillan, the *same power* was developed with an average of 8% less gasoline.

The minute you change to Macmillan, you'll get an increase in power and gasoline mileage. You cut down on "drag"—your gasoline "pushes" easier than before. After your second or third drain,

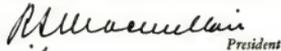
you'll get an average increase in gasoline mileage of 8%! That's because Macmillan has not only reduced engine friction but also has reduced carbon and gum deposits in the combustion chamber, on rings, valves, and valve stems. This results in higher compression because of better piston seal—smoother operation, and less tendency for the motor to ping.

Do you know what this means in money? Figuring gasoline at an average of 25¢ a gallon, it means you save 2¢ a gallon—simply by changing your motor oil to Macmillan.

That's a big saving—isn't it? Yet it's small when you realize *how much more* you save in repair bills. Because: The less friction, the less wear and tear on your car. New motors stay newer longer.

Finally, remember this Macmillan Motor Oil not only *fights friction* but *removes carbon* from your motor—cleans your motor as you drive.

Ask for this fine motor oil at independent dealers where you see the sign of the 'big red "M." It means Money in your pocket, Mileage in your car. Try the *OIL* that makes your *GAS* go farther!


President

MACMILLAN PETROLEUM CORPORATION
530 W. 6TH STREET, LOS ANGELES
50 W. 50TH, NEW YORK • 624 S. MICHIGAN, CHICAGO
P.S. If you are unable to locate a Macmillan dealer, write to me and I'll be glad to direct you to the one nearest you. R.S.M.

25% to 50% more food space

... IN THE GENERAL ELECTRIC REFRIGERATOR!



All the food you see here can be placed easily and quickly in the new 10-cu-ft General Electric Refrigerator-Food Freezer Combination shown below.

There's space for everything... and everything's in its place when you invest in one of the new General Electric Refrigerators.



Most G-E Refrigerators are available with both right- or left-hinged doors.

General Electric Refrigerators give you much more storage space than most refrigerators now in use... yet they occupy no larger floor area!

WHEN YOU GO TO BUY a new refrigerator, keep in mind that General Electric gives you *all three* of these wonderful advantages:

- 1. SPACE.** 25% to 50% more space for foods than most old-style refrigerators now in use. *Model shown has 18 square feet of shelf space!*
- 2. CONVENIENCES.** General Electric Refrigerators have so many special convenience features that you won't find in any other refrigerator.
- 3. DEPENDABILITY.** No other refrigerator can surpass General Electric's enviable record for dependability. *More than 2,700,000 G-E Refrigerators with sealed-in refrigerating systems are still in service after 10 years. Many as long as 15 and 20 years.*

Remember that today your best dollar-for-dollar buy is General Electric, General Electric Company, Bridgeport 2, Conn.



GENERAL ELECTRIC REFRIGERATOR-FOOD FREEZER COMBINATION

Trim and specifications subject to change without notice.



NEW! REDI-CUBE ICE TRAYS!

You can pick out cubes singly, and return the rest—still in the divider—in the refrigerator. Cubes will not drop out!



NEW! VEGETABLE ROLLA-DRAWERS!

New Rolla-Drawers, on rubber-tired wheels, roll quietly, so easy to keep clean. High-humidity roll keeps vegetables garden-fresh.



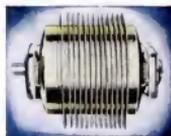
SPECIAL BUTTER CONDITIONER!

No more hard butter! This special conditioner, built into the door, keeps a full pound of butter at spreading temperature!



NOW! FOODS REMAIN CRISP AND FRESH!

Frost does not build up in the fresh-food section. Uncovered foods do not dry out. Foods remain crisp and fresh!



NEW! IMPROVED MOTOR AND INSULATION!

New G-E motor assures more quiet operation. New, higher-efficiency Fiberglas insulation in the cabinet further reduces low operating cost!

You can put your confidence in—

GENERAL  ELECTRIC

4 famous "Pros" agree this sportswear is "Color-Balanced"



Shows a Color-Balance in Grey
Raymond Golf Blouse
... the look and feel of
See worn in single cotton
with mini-check pattern. 18.95

Cordell Cio washable shaven
submarine sportshirt 8.95
Miron Flannel Hugger
Blocks 13.95

Argument



Byron Nelson ... has Color-Balance in
Skyway Blouse ... shaven quartered-all-action
features. Lined with swirl pattern. 17.95 ... See
Royal Sportshirt ... echoes the bright look of the
Moussé lining. Washable. 8.95 ... Cape Hugger
Blocks 11.95



Chick Harbo ... has Color-Balance in
Maharajah Golf Jacket ... the famous Drifter
Jacket with Ice Madras Design under-collar and
collar. 12.95 ... 3. Andrew Mearl Knit Shirt ...
washable, cr. neck. Maharajah Cap
Ice Madras design. Washable. 3.95 ... Cattle
Hugger Blocks 13.95



Jack Burke ... has Color-Balance in
Heathcote Gundersen Jacket ... with Tartan
under-collar. 18.95 ... Ice Tartan Vire Guber-
dine Sportshirt ... Ice Tartan at collar and cuffs.
Washable. 8.95 ... Dunkhosen Hugger Blocks
13.95 ... Campbell Ice Tartan Cap 2.95



Tommy Lawson ... has Color-Balance in Green
Raymond Golf Blouse ... the look and feel of
fine wares: Raven with mini-check pattern.
16.95 ... Champagne On The Rocks Knit Shirt
... horizontal stripe. Washable. 3.50 ... Miron
100% Worsted Flannel Hugger Blocks 13.95



Look for the Color-Balanced Tee on
each garment. Then match up the
Tees for your matchless color ensemble.

These 4 Golf Pros are members of the
McGregor "Color-Balance" Committee.
Advisory Staff of MacGregor Golf Co.

McGREGOR

REGISTERED MADE IN U.S.A.  **GOLDEN TEE
SPORTSWEAR**

In Men's and Boy's Sizes or write—David B. Seeger & Co., Inc. - 383 5th Ave. - N.Y. 18

PLAYTEX

Can't get rid of your COLD?



**STOP STORING GERMS
INSIDE YOUR
OLD-FASHIONED PILLOW!**

Scientific tests prove harmful nose and throat germs breed inside old-fashioned pillows. These tests also show PLAYTEX Pillows inhibit the growth of germs, combat germ reinfection. Germs cannot breed inside the PLAYTEX Pillow!

© United States Trading Co., Inc. Report #10400



FOR EVERY OCCASION... NO GIFT COMPARES WITH THE GIFT OF SLEEP!

PLAYTEX® WORLD'S ONLY GOLD SEAL GUARANTEE PILLOW PROTECTS YOUR FAMILY AGAINST GERM REINFECTION!

PLAYTEX® SUPERFOAM PILLOW
Gold Seal Guarantee

This PLAYTEX Superfoam PILLOW is the result of years of research, thousands of sleepings. It is the only pillow that carries this Gold Seal Guarantee.

- GUARANTEED to absorb, destroy and sub-sterilize all allergens. It is the only pillow that carries this Gold Seal Guarantee.
- GUARANTEED to inhibit the growth of germs.
- GUARANTEED to combat germ reinfection.
- GUARANTEED to have natural hypo-allergenic properties.
- GUARANTEED to inhibit mold and mildew.
- GUARANTEED to be completely moisture resistant.

100 Years
of
Satisfaction

Beautifully gift-packaged, at department stores, furniture stores and sleep shops, everywhere

CHOOSE YOUR FAVORITE PILLOW HEIGHT!

Regular Height Pillow, in white, pink, or blue extra-fine Sanfoamized cotton cover . . . \$9.95

Extra-Plump Pillow, in white, pink, or blue extra-fine Sanfoamized cotton cover . . . \$10.95

Today—toss away those old-fashioned germ-laden pillows. You owe it to your family's health and comfort to have them sleep on PLAYTEX Pillows!

Remember: only PLAYTEX Superfoam® Pillow gives you the B-point guarantee of pillow quality—any other pillow, foam or feather!

And the moment you touch this famous pillow, the moment you press it against your cheek—you'll see why it's called America's finest pillow buy!



Here is the secret of PLAYTEX quality: "staggered core" construction. It cradles your head in the most restful position all through the night, has millions of microscopic air cells that actually "breathe." And this scientifically-perfected pillow is dust, allergy, mildew-free, gives you "air-conditioned" sleep!



ON CBS-TV Nationwide Network
PLAYTEX presents "FASHION MAGIC"
(See local papers for time and channel)

INTERNATIONAL LATEX CORPORATION Playtex Park • 4TH 0151 Dover, Del. PLAYTEX LTD., Montreal, Canada

More news from Chrysler Corporation

Engineering developments that improve the riding qualities of cars, military vehicles, trucks and railroad freight cars

New uses of suspension principles are doing important things for wheel-borne transportation.

Cars that move along the highways, military vehicles that transport men and equipment, trucks that haul the products of farm and factory, and freight cars rolling on the railroads—all benefit from developments introduced by Chrysler scientific research and engineered production



This M-37 cargo carrier, built by Chrysler Corporation, can travel more rapidly and surely over rough country than our World War II cargo carriers. The ride is steadied for men and cargo by new suspension principles, improved springs and heavy-duty shock absorbers that provide extra cushioning power on bad roads or roadless terrain.

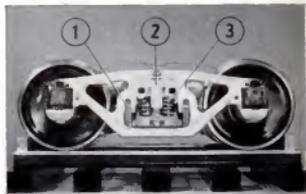
A new and softer ride is now incorporated in military design ambulances and trucks being built by Chrysler Corporation. Often a military ambulance must operate in rugged country where there are no roads. With improved suspension, special springing and new type shock absorbers, jolts and discomfort are minimized as never before.

Another important advance in riding comfort comes from Chrysler's "Oriflow" shock absorber, an exclusive feature on all our new Plymouth, Dodge, De Soto and Chrysler cars, on Dodge $\frac{3}{4}$, $\frac{3}{8}$ and 1 ton trucks, and all Route Vans. It uses hydraulic principles in a new way to give cushioning power *three times* that of ordinary shock absorbers. On every kind of road, "Oriflow" works in harmony with synchronous springing, shockproof steering and scientific weight distribution to provide a smoother, safer ride.



In this drawing of Chrysler's new "Oriflow" shock absorber, the engineer is pointing to one of the tubular passages through which cushioning fluid flows. This is a new use of hydraulic principles which helps "Oriflow" absorb bumps by controlling bounce and rebound more smoothly than any design used before.

For railroad freight cars, which also require protection from shocks along the rails they travel, Chrysler engineers have developed a new "balanced suspension." It absorbs both vertical and lateral shocks gently, so that cargoes can ride steadier and safer.



In this accurate scale model you see three reasons for smoother "ride." (1) swing hanger which soaks up shocks that come from jolting side motion. (2) unique friction snubber which works with (3) long travel coil springs to cushion vertical shocks and control bounce. Engineered by Chrysler, this mechanism is produced for railroads by qualified equipment manufacturers.

On the highways, in the fields and on the rails, Chrysler Corporation's scientific developments and engineered production help meet the nation's military needs, and advance the safety, dependability and efficiency of wheel-borne transportation.

CHRYSLER CORPORATION



Window Curtains



Chair Seat



High Chair

IF THEY DON'T HAVE THE LABEL THEY'RE NOT REAL KOROSEAL
Koroseal BY **B.F. Goodrich**



Raincoat



Best Covers, Food Pads



Hospital Beds



Play pen



Crib pads



Play pen pads



Bibs, high chair pads

Cleaner, fresher babies — what will Koroseal do next?

YOU'LL find the natty dressers of the active younger set in Koroseal these days. Koroseal baby pants are soft, don't chafe, give long wear, are permanently waterproof, and so easy to wash—just slosh them in warm, soapy water.

Bibs, high-chair pads, play-pen pads of Koroseal flexible material have these same advantages, too. And Koroseal crib sheets are light to handle, yet they

don't crack, and they seem to last forever.

What will Koroseal do next? It makes furniture upholstery that's washable and practically scuffproof, raincoats you can carry in a pocket or purse, garden hose a third to a half lighter than ordinary hose, curtains and draperies you clean by dusting, garment bags, food bags, hospital sheeting and dozens of others.

Think, in fact, of anything made of

a flexible material that ought to be good looking, too—in bright colors or clean soft colors, light in weight, yet able to stand long, hard wear, exposure to air, water, dust, dirt and still last for years—Koroseal is the name to remember. It can be made in hundreds of forms: sheets, films, coatings, tubes and others.

Be sure you're getting the real thing. Just look for the label. *If they don't have the Koroseal label they aren't*

real Koroseal! The B. F. Goodrich Co., Koroseal Division, Marietta, Ohio.

Trade Mark—Reg. U. S. Pat. Off.

Koroseal
FLEXIBLE MATERIALS
BY

B.F. Goodrich

Breakfast Bonus - Swift's Premium Bacon with that heavenly
sweet smoke taste!



SO MILD
YET SO ZESTY. IT'S
THE BEST-LIKED BACON
OF THEM ALL!

**Swift's
Premium
Bacon**



CLASSIC MASSACHUSETTS GERRYMANDER

SPEAKING OF PICTURES

Can you identify your congressional district in the Gerrymander zoo?

The Gerrymander (*above*) is a uniquely American animal. The species was created in 1812 in Massachusetts when Governor Elbridge Gerry and his Republican legislature put 12 towns together into a state senatorial district in such a way that the Federalists would be outnumbered. When Engraver Elkanah Tisdale published a map of the district with added claws, wings and fangs in the *Boston Weekly Messenger* he called it a "Gerry-mander." The engraving helped defeat the governor for re-election but that didn't discourage other politicians.

Governor Gerry's animal offspring has long since vanished. But elsewhere, as evidenced by Artist Charles Martin's Gerrymander zoo (*right*), the Gerrymander is still alive. Not all the 24 districts shown here are Gerrymanders. Geography has also played its part in shaping them. But geography could not account for some of the strange combinations. This spring the Gerrymandering season comes again because changes in population shown by the 1950 census will force 16 states to rearrange their House representation. Recently President Truman urged that Congress require the states to make districts reasonably compact, pointing out that it is hardly fair for one representative to have 900,000 constituents and others less than 175,000. But whatever Congress does it seems certain, based on a fine old tradition in American politics, that the Gerrymander will not become extinct. Meanwhile do you know your own congressional district? If you would like to see if it is in LIFE's zoo, turn the page.





3

4

5

12

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21

"Soaping" dulls hair— Halo glorifies it!



Not a soap,
not a cream—
Halo cannot leave
dulling, dirt-catching
soap film!



Gives fragrant
"soft-water" lather
—needs no
special rinse!

Removes
embarrassing
dandruff from both
hair and scalp!



Halo leaves hair
soft, manageable—
shining with colorful
natural highlights!



Yes, "soaping" your hair with
even finest liquid or oily cream
shampoos leaves dulling,
dirt-catching film. Halo, made
with a new patented ingredient,
contains no soap, no sticky oils.

Thus Halo glorifies your hair
the very first time you use it.

Ask for Halo...America's
favorite shampoo...at any drug
or cosmetic counter!



Halo reveals the hidden beauty of your hair!

CERRYMANDERS CONTINUED



CONGRESSIONAL ZOO, identified above, is home to nearly seven million American citizens. Gerrymandering, unfortunately, can happen to anybody.

MORRELL

Crisp, tasty bacon
—America's favorite
breakfast! And for
the finest, try Morrell
Pride Bacon. From choice
selected sides,
slow-smoked for flavor,
aroma, nutrition.
A product we cure and
pack with pride.



PRIDE



Only choice center
slices are selected for
Morrell Pride Bacon.
Mild-cured,
slow-smoked over
fragrant hardwood fires,
every flavorful,
tender slice of
Morrell Pride Bacon is
rich in body-building
protein.

Heat-sealed, airtight packages retain
flavor and aroma until ready to use.

Also available in loyer packages.



MEATS



JOHN MORRELL & CO. SINCE 1827
Ottumwa, Iowa • Sioux Falls, S. D. • Topeka, Kansas

Pork Beef Lamb Ham Bacon Sausage Canned Meats

ONLY THE SOUND EFFECTS ARE MISSING...

Here is all a camera can do to catch your eye with the goodness of Rice Krispies. But we also need your ear. For you can hear the crispness. When milk or cream is added they go "Snap! Crackle! Pop!" The whole production, complete with sound effects, is temptingly staged right in your breakfast bowl with KELLOGG'S RICE KRISPIES --- "the talking cereal". How about it?



"snap!"



"crackle!"



"pop!"

"Rice Krispies" is a trademark (In U.S. Pat. Off.) of Kellogg Company for its rice-popped cereals.

GOOD THINGS YOU CAN'T SEE IN THE PICTURE—lots of energy generators, plus the natural rice values of thiamine (B1), niacin and iron.

MEN AND WOMEN SAY
NO OTHER SHAMPOO
USED GIVES YOU THAT

Clean

Removes Goopy Hair Dressings...



Clean

Removes Loose, Itchy Dandruff...



Fitch

Cleans Thoroughly in One Lathering...



Feeling

Makes Scalp Feel Tingly Clean!



SWITCH TO

FITCH DANDRUFF REMOVER SHAMPOO

THE REASON: Only Fitch is applied to dry hair undiluted... lathers from the scalp up... doesn't wash dirt in... actually flaps out deep dirt. Try it today and feel the difference.

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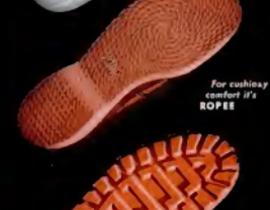
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AVON Du-Flex TRADE MARK REG. SOLES

Here's America's best known
SOLEMARK of QUALITY. You'll find it on the
smartest, lightest, springiest soles for men's,
women's and children's shoes... to give
them extra months of wear.



For non-slip soles?
find it's NAP



For cushiony
comfort it's
ROPEE



CLEAT
For miles more
wear it's
GRISTLE



For sure-grip
roughness it's
RUF-TRED



For a better
game of golf it's
TRU-STANCE
Waterproof, so firm
you never feel the splash.
Slightly non-slip, keeps your
replaceable spines straight.

AVON SOLE COMPANY, AVON, MASSACHUSETTS
For forty years specialists in fine sole materials

not on all shoes... just the best ones

Clean Shave?

Feeling Keen!



EARLY AMERICAN
Old Spice
FOR MEN

for that Top-of-the-World feeling

while shaving



SHAVING CREAM
Lather and Brushless
.50

after shaving



AFTER SHAVE LOTION
100 plus tax
(large size 1.75)

SHULTON
New York Toronto

LETTERS TO THE EDITORS

ROOFTOP SILHOUETTES

Sirs:

Judging by past performances, my guess is that you will receive many doodles like these on the rooftop silhouettes (Speaking of Pictures, LIFE, March 26). Note that in these variations, my visualizations vary from those of your caption writer.

Carl Rose

Rowayton, Conn.

• The three chimney scenes which Cartoonist Rose transformed (below) LIFE labeled Roman sentries (top), movie star in sunglasses (middle), two nuns (bottom).—ED.



"LIFE PHOTOGRAPHERS"



"ORIENTAL OCCIDENTAL"



"MILKMAIDS"

WHEN IT COMES TO FIGURING...

*your
best
answer
is
Burroughs*



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BE A CHAMPION DRIVER . . . *New Spark Plugs now insure better performance all Summer*



Old, winter-wearied spark plugs like this are gas robbers—cause sluggish, wasteful engine operation.



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As an important, everyday family utility, your car should be given regular care and inspection of vital parts. Install new Champion Spark Plugs now for maximum economy, power and dependability all Summer long!



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 #860 Embroidered
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Thank the WHIRL for the perfect shape... perfect fit of this lovely Lovable bra! Round 'n round goes the spiral stitching... gently moulding, subtly shaping, giving you that treasured "lovable" look. And the embroidered nylon sheer is so pretty... so dainty... cool as a frosty drink in Summer! Other fine Lovable bras start at a tiny \$1. Also in Canada.



Any way you figure... it's

The Lovable Brassiere Co., Dept. L-4, 180 Madison Ave., New York 16, N. Y.

LETTERS TO THE EDITORS

—CONTINUED—

Sirs:
 This is what I saw in the rooftop silhouette, "cat on a dog's head."
 E. WEIN
 New York, N.Y.



Sirs:
 Speaking of rooftops, this photograph of the roof of the Hi-Cro Alfalfa Mill in Lovelock, Nev. reminded me



of two rather trim young ladies doing their weekly wash.
 HENRY M. HARRIS
 Pacific Palisades, Calif.

NEW PORTRAIT OF U.S.

Sirs:
 Your editorial ("A New Portrait of the U.S.," LIFE, March 26) describes marvelously well what has happened, and is happening, to America. As you say, "America is not an achievement but a process—a process of becoming." And that is what it has always been, even in its worst periods, and that is why those who understand American history have never been discouraged, but always high-beared.

You emphasize the difference between the European idea of capitalism and what is now the American idea and ideal. This difference of definition and conception of what the world, in America, has come to mean makes it hard for us to explain ourselves and is a potent weapon in the hands of our enemies. Why wouldn't it be wise to make a linguistic forward pass and try hard to find a better word? We aren't a capitalistic society actually; we're a mutualistic society. Why isn't "mutualism" a far better word, and more descriptive of what we are doing, than capitalism? And why isn't a mutualistic system exactly the system we are trying with more and more success to put into operation?

STUTHERS BURT
 Southern Pines, N.C.

I'M IN THE MOOD FOR CHEWING FOOD!



Crunchy MILK-BONE DOG BISCUIT gives him the chewing exercise that helps keep teeth and gums sound. Thrifty, too, because so much nourishment is concentrated in each tasty biscuit. Baked for purity and easier digestion, MILK-BONE DOG BISCUIT is sealed in lined containers. Feed it daily!

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18th Century Lane Cedar Chest venerated in rich mahogany. Drawer in base, chest above for blankets, clothing, woollens. Meth protection guarantee. Model 2221, \$89.50.



Miss America Special in blond oak or walnut, drawer in base. \$69.95. Larger model in blond oak, walnut, grey walnut, mahogany or coccovan. \$79.95. All Lane Chests are aroma-tight. ©1951 The Lane Company, Inc.

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has the patented soft collar that

won't wrinkle...



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now in white and colors, too

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Anyone you pick is a winner in the rain



Anyone you pick is a beauty in the rain



new fabric-textures in rainwear made of

Firestone *Velon*



HAVE A
RAINCOAT
HANDY
in your home,
bag, car, office

Get 4 fine raincoats at a price
you'd expect to pay for one...Get rainwear
made of Velon at notion counters, men's
and women's apparel shops or departments.

Beauty In The Rain. Now rainwear becomes a costume accessory...as much a part of your outfit as handbag or hat. With stunning new fabric-textures and fashion colors in Firestone Velon, you can choose a different raincoat for dress, afternoon wear and sports. Each comes in its own purse-size Velon carrying case.

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Yvonne De Carlo, starring in
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color by Technicolor



"Yvonne De Carlo's hands get La Cross care"

says RUTH COLLINS
Studio Manicurist
Universal International

"A flawless manicure is the only kind that will pass a close-up screen test. And it takes instruments of La Cross precision quality," says Miss Collins, "to give such a perfect manicure." That's why so many professional manicurists prefer La Cross to any other manicure instruments. And that's why lovely stars like Yvonne De Carlo, whose hands get La Cross salon care, choose La Cross instruments for home manicures, too!

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...utility which
saves time in
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LETTERS TO THE EDITORS

CONTINUED

ALTARPIECE

Sirs:
What a special Easter treat! Thank you for the fine reproductions of Grünewald's Isenheim altar ("An Altarpiece of the Easter Miracle," LIFE, March 26). The message of hope and deliverance implicit in Christ's Resurrection was never painted more realistically.

EDWARD H. DARE
Coral Gables, Fla.

Sirs:
Is there any chance of your putting these pictures in pamphlet form?

THOMAS M. DOHERTY
Buffalo, N.Y.

● Reprints are available at 10¢ a copy. Write to Dept. G, LIFE, 9 Rockefeller Plaza, New York 20, N.Y.—ED.

Sirs:
The words you used, "My God, why hast thou forsaken me?" were said by Christ on the Cross but were not the final words. Christ's last words were, "It is consummated."

NANCY E. WELCH
New Haven, Conn.

Sirs:
Christ is said to have spoken seven times on the Cross—referred to as His Last Seven Words. They are as follows: 1) "Father, forgive them, for they know not what they do" (Luke 23:34). 2) "Amen I say to thee, this day thou shalt be with me in paradise" (Luke 23:43). 3) "Woman, behold thy son... Behold thy mother" (John 19:26,27). 4) "My God, my God, why hast thou forsaken me?" (Matt. 27:46). 5) "I thirst" (John 19:28). 6) "It is consummated" (John 19:30). 7) "Father, into thy hands I commend my spirit" (Luke 23:46).

JOSEPHINE K. KAZAROV
Trenton, N.J.

● The churches follow the traditional order as set down above, but Bible historians do not attempt a decision on which words were last since Luke had one order, John another, Matthew and Mark a third.—ED.

PICTURE OF THE WEEK

Your Picture of the Week (LIFE, March 26) contains a highly slenderous phrase when it compares sleeping people to "stiffs in a morgue."

Would you like your mother, sister, wife to be called a "stiff"? Neither would I and millions of other decent Americans who respect the human body even in death. We funeral directors dislike that term along with "remains," "undertaker," etc.

W. E. GRAY
Sewickley, Pa.

Sirs:
You misquote Shakespeare in "ATLANTA, GA. KENTS UP THE BAVELIN SLEEVE OF CARE." The expression has nothing to do with a "sleeve" but rather a "slieve," which is a tangle of silk or thread.

WILLIAM C. MOORE
Teaneck, N.J.

● LIFE had better knit up its ravaged scholarship.—ED.

CONTINUED ON NEXT PAGE

The LESTER GRAND PIANO is the Official Piano
of the Philadelphia Orchestra

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a lifetime investment in musical pleasure

Picture this superb instrument in your home! Can't you just imagine the lifelong pleasure it will offer every member of your family... from the beginner to the accomplished pianist?

Since 1888 Lester Grand Pianos have been built by the same family to the highest standards of quality. Only the most skilled craftsmanship... only the world's finest materials go into these musical masterpieces.

Tone is of the utmost importance in choosing an instrument for home or professional use. The Lester Grand Piano has won world wide acclaim for its glorious tone, responsive touch and rich volume.

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LISTEN to the humming of the tracks, as the trains approach. Today, the greatest railroad network in the world is busy carrying the vast bulk of all the things needed to rearm America.

LISTEN to the far-off whistle of a train as it speeds across a sleeping countryside. Round the clock, through fair weather and foul, 30,000 trains a day connect city with city... Link farm and mine with furnace and factory, army camp and seaport.

LISTEN to the rhythmic thunder of the freight cars... the mighty roar of the locomotives. A billion-dollar-a-year railroad improvement program—with new locomotives and cars, new shops and terminals, improved tracks and signals—is helping today's average freight train carry more freight and carry it faster than ever before.

LISTEN to the sounds of the railroad. They tell you our country is growing stronger—every day!

Association of American Railroads

WASHINGTON, D. C.

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every Monday evening on NBC.

LETTERS TO THE EDITORS

CONTINUED

GRANT'S BAPTISM

Sirs:

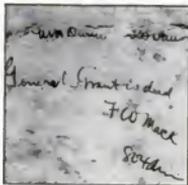
As the only survivor of the family of Dr. George F. Shradly, Grant's physician, I was very much interested in your article, "Baptism of U.S. Grant" (*LIFE*, March 26). I doubt if anyone outside of myself knows how the news of the general's death got to the press.

When General Grant was taken ill, Frank Mack of the Associated Press was assigned to the story. The various reporters at Mt. McGregor had small booths among the trees, and since the telephone was not in wide use they had to rely on the telegraph.

The day before the general died Mack asked how long he would last. My father said not much over the night. Mack said he must get the news first, even if only a few moments before the others, as it meant his future. He concocted a plan whereby my father was to come out on the porch and wipe his forehead with his handkerchief if the general was dead.

The general died the next morning. I recall my father telling how he strolled on the porch, lit a cigar and, after viewing the landscape, took off his hat and wiped his brow with his handkerchief. Mack sent this wire which I have in his original handwriting, "General Grant is dead. F. W. Mack."

CHARLES D. SHRADLY
New York, N.Y.



MACK'S SCOOP

Sirs:

My mother, Mrs. Jesse R. Grant, told me several times in my childhood that she was standing beside General Grant when the Rev. Dr. Newman "baptized" him. Feeling the water, the general started from unconsciousness or sleep and said, "What have you done?" The minister replied that he had baptized him. The general said, "You surprise me."

CHAPMAN GRANT
San Diego, Calif.

CONTINUED ON PAGE 34

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Can your make-up pass the "close-up" test?

**You're lovely-to-look-at
even in close-ups, with Solitair!**

Make this test!—Look in your mirror, close up.
Does your complexion show skin-faults through your make-up?
Solitair gives you faultless beauty even close up.

Solitair

Cake Make-up

Now, discover what wonders Solitair can do for your complexion, and save money, too! This month only, drug stores and cosmetic counters everywhere are offering regular 60c-size Solitair, in your favorite shade, for only 49c!

If you already wear Solitair, you'll surely want this special value. But if you haven't tried Solitair lately, now is the time to learn the thrilling difference between Solitair and ordinary make-ups.

Flawless, even in close-ups!

With almost any make-up, you can look lovely from afar. But in close-ups, the imperfections in your skin become obvious, unless your make-up effectively conceals them. These skin blemishes may destroy the illusion of beauty at the very moment most important to you!

Solitair stands the test of closest inspection. This make-up conceals each tiny blemish so cleverly that every little skin fault becomes your secret! Your skin seems to come alive with youthful freshness—flawlessly lovely, yet completely natural—even in close-ups.

Prove it to yourself! Get this special Solitair value now at your cosmetic counter—regular 60c size for only 49c—see how lovely you look even in close-ups! Offer is limited—ask for Solitair today!

Contains Lanolin

Skin-safe Solitair protects against dryness. Solitair is the only clinically tested make-up which leading skin specialists confirm will not clog pores.

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Best loved of all...

Show her how much you care by making sure the diamond you buy is an *Artcarved*. The name *Artcarved* has been honored among jewelers for more than 100 years. Only a few diamonds in a hundred measure up to *Artcarved's* high standards on all four value counts—color, clarity, cut and carat weight. These selected few—never before worn—are cut according to standards established in *Artcarved's* own cutting plant to bring out all their beauty and free—then mounted in rings carved by *Artcarved* craftsmen for lasting beauty. The savings made possible by this all-in-one organization make an *Artcarved* ring—at any price—an outstanding value. Registered and guaranteed *Artcarved* diamond rings sell at nationally established prices from \$15 to \$5000, wedding rings from \$8. For your protection, look for the name *Artcarved* in the ring, on the tag.

FREE! "How to Select Your Diamond Ring," a money-saving booklet full of facts about diamonds. Write to J. R. Wood & Sons, Inc., Dept. L-6, 216 E. 43rd St., New York 17, N. Y.

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LETTERS TO THE EDITORS

CONTINUED

Sirs:

General Forrest could not have visited General Grant in the summer of 1865, for the famous Confederate cavalry leader passed away on Oct. 29, 1877.

HAROLD B. SIMPSON
Lieut. Colonel, USAF
Pentagon, D.C.

● LIFE was wrong.—ED.

"A KING'S STORY"

Sirs:

In the last installment of the Duke of Windsor's memoirs which you published last spring, you stated that the entire story would be published in book form. I have not been able to find this book. Has it been published yet?

CHARLOTTE FRY
Ephrata, Pa.

● The Duke of Windsor's memoirs are being published by G. P. Putnam's Sons on April 16 under the title, *A King's Story*.—ED.

RECORDING ARTISTS

Sirs:

Mme. Wanda Landowska likes her *Life* in the "Recording Artists" (LIFE, March 26) very much—which seldom happens! Congratulations to the photographer.

May I quote what Mme. Landowska said, reading the caption, "I am 71 and 8 months. I find it is plenty. I don't mind being someday 73, but why does LIFE hurry me? Let me get there by my own means?"

DEWEE RESTOUT
Secretary to Wanda Landowska
Lakeville, Conn.

● LIFE yields to Mme. Landowska's slower tempo.—ED.

LITERARY CLUB

Sirs:

The sign from *Love's Labour's Lost* on the wall of the paper-reading Cincinnati Literary Club ("Life Visits the Cincinnati Literary Club," LIFE, March 26) has been edited with good reason. Had it been quoted in its entirety it would have read, "Here comes one with a paper: God give him grace to groan!"

CHARLES J. NIER
Indianapolis, Ind.

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Don't miss it! On the following five pages a wonderful

Portfolio of Time-Saving Ideas for Busy Housewives

(and husbands, too)



How to save hours of messy scrubbing in your kitchen!



How to wax your furniture without rubbing!



How to keep wood floors from growing old!

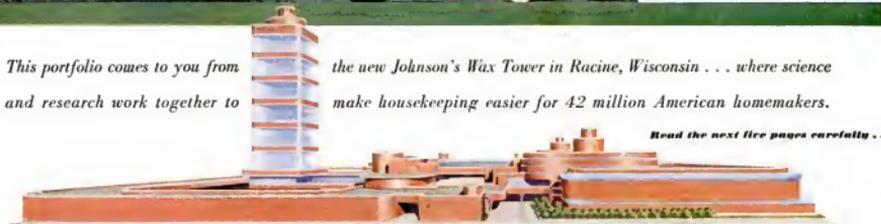


How to wax your automobile in 20 minutes!

*This portfolio comes to you from
and research work together to*

*the new Johnson's Wax Tower in Racine, Wisconsin . . . where science
make housekeeping easier for 42 million American homemakers.*

Read the next five pages carefully . . .





Time-saving idea from the Johnson's
Wax Research Tower

How to cut down scrubbing

*yet have the cleanest
floors in town!*

If keeping your kitchen floor clean is Private Headache No. 1 in your life . . . relax and read on.

The Glo-Coat method of floor care, developed in the Johnson's Wax Research Tower, postpones scrubbing for days on end . . . yet keeps floors sparkling clean with a minimum of attention!

Glo-Coat is an improved kind of floor wax. It requires no polishing to make it shine, and the shine it gives is unbelievably water-repellent.

When you wipe up splashed water, you don't remove the wax. When you whisk up spilled food, you don't leave tell-tale blotches. You can quickly mop your floor time after time with a damp mop and still have a bright protective film of wax left behind.

And Glo-Coat care adds years to the life of linoleum!



This sparkling kitchen floor is waxed the easy way with Johnson's Glo-Coat every four weeks. Between waxings, a once-over with a broom or a swish-over with a damp mop quickly removes all dirt. Floor has a just-polished look always!



The Glo-Coat Method takes only a few minutes a day!



1 Begin by waxing clean floor with Glo-Coat. Takes about 5 minutes in average kitchen. Just spread Glo-Coat on. It shines as it dries.



2 A daily brooming quickly sweeps away dust and dry dirt. Takes about 2 minutes because dirt doesn't grind into a wax finish.



3 When you splash water or spill food on floor, sll wipes up in a jiffy. Liquids can't soak into the wax—don't leave ugly blemishes.



4 Once or twice a week, whisk over floor with mop dampened in clear water. Stains wash off. Glo-Coat stays on with a just-polished look!



Time-saving idea from the Johnson's
Wax Research Tower

New no-rub way to wax a table!



1 Waxing furniture has never been so easy! Fold a clean piece of cheesecloth into a small square and saturate with Johnson's Pride.



2 Then slide the cloth over the surface you're waxing. Pride spreads on smoothly, easily. (There's no need to wash the surface first. You'll discover even stubborn dirt comes off quickly when you use Pride as a cleaner.)

3 Let Pride dry. When thoroughly dry it leaves a light haze. Wipe lightly with a clean cloth to remove this film. Furniture gleams with a rich wax luster that lasts for months. Dusting is easy because Pride contains no sticky oil. Dust can't cling to its glass-smooth finish!

New wax discovery for furniture actually produces the richest, longest-lasting wax luster you've ever seen on wood—without rubbing!

FROM the Johnson's Wax Research Tower has come a new and wonderful kind of wax for furniture. It's called Pride. This free-flowing liquid embodies the same scientific discovery that led to Johnson's Car-Plate—the sensational new auto wax featured in last June's Reader's Digest.

Without a stroke of hard rubbing, Pride gives brilliant wax protection to walnut and mahogany, birch or maple—light or dark. Just spread it on . . . let it dry . . . wipe it lightly. That's all you do to get the richest, longest-wearing wax luster you've ever seen on wood!





Floor-saving idea from the Johnson's
Wax Research Tower

How to save floors from



ugly "floor-pox"!



The trampling feet of children can scuff away the beauty of this floor. Regular wax care with Johnson's Paste and Liquid Wax has armored the finish from wear for many years!

YOU almost never realize it's happening until it's too late. Suddenly one day you look down and discover your floors are getting worn and shabby . . . the warning sign of ugly "floor-pox"!

This is the time for action—before your floors become so scuffed that only a costly refinishing job can restore their natural beauty.

The only way to protect wood floors from wear is to wax them two or three times a year. And when you use genuine Johnson's Paste or Liquid Polishing Wax, you're sure you've given them the toughest, brightest protection modern science can provide.

Instead of looking old and shabby as the years roll by, floors grow lovelier after every waxing. And a quick dry-mopping leaves them mirror-clean!

For helpful pamphlets containing many time-saving ideas on the care of floors and finishes, write Johnson's Wax Consumer Service, Dept. L116, Racine, Wisconsin.



Many women prefer Johnson's Paste Wax for their floors because it's so economical. A 1-lb. can will wax 300 sq. ft. of floor. Its protective quality is unequalled. Remember, the thinner you spread it on, the easier it is to polish.



Johnson's Liquid Wax is first choice in many homes because floors can be coated with a thin even film so easily. Spread it standing up. Johnson's Liquid Polishing Wax is a perfect cleaner too—makes dirt and spots disappear.



Whether you use Paste or Liquid, the easy way to polish is with a Johnson's Beautifier Electric Polisher. A motor-driven brush does the work. Rent it for only \$1 a day or buy one for about half the price of any good vacuum cleaner!



Time-saving idea from the Johnson's
Wax Research Tower



New 20-minute method for waxing the family car!

DID your husband ever pray for rain when you asked him to wax the car?

After all, you could hardly blame him. It used to mean hours of rubbing that was exhausting even for a he-man.

No wonder, last summer, when Reader's Digest described a new no-rub way to wax a car, so many husbands cheered. And rushed out to their nearest dealer to get a can of Johnson's Car-Plate!

Car-Plate literally makes car waxing a 20-minute job. Spread it on the clean finish... let it dry... wipe lightly... and look! Your car is gleaming with a tough film of wax that shines like a diamond! You'll find a Car-Plate finish is so remarkably smooth that future car washings take far less time. (And today it's more important than ever to give that finish lasting wax protection!)



No need to roll up your sleeves when you wax your car with Johnson's Car-Plate. Fold a piece of cheesecloth into a 4-inch square and saturate with this free-flowing liquid. Spread over the clean finish. Be sure you leave no gaps. You'll be amazed at how easily it flows on.

By the time you've covered your car with Car-Plate, the liquid has begun to dry to a light haze. Lightly wipe away this haze with a clean cloth and a brilliant wax finish appears. No rubbing needed to make Car-Plate shine. You're through in 20 minutes!



How to clean before you wax

Wax should always be applied to a clean car. The finish should be free of road film and decomposed paint. For this reason it is important to clean your car thoroughly before applying Car-Plate. For quick, easy cleaning, Johnson's Carve is recommended. Carve does the job fast and safely—leaves a perfect surface for a sparkling Car-Plate wax finish.



How to get Johnson's new chenille

Dusting and Polishing Mitt FREE*

(59¢ value)



It dusts furniture in a jiffy!
It polishes wax to gleaming brightness!
It washes woodwork, walls, cars!

Made of fluffy double-thick chenille

Reversible — same feathery finish inside and out

Pre-shrunk — washable — color is fade-resistant



***Send no money!** Enclose two "Johnson's Wax" paper discs. You will find one disc inside the cap of any Johnson's Wax Polish. We will mail you your Dusting and Polishing Mitt, postpaid and free of extra cost!



Send in the disc from any two (2) of these products to get your Dusting and Polishing Mitt free!



You won't want to miss this truly remarkable offer! It's both a time-saver and a money-saver! Select any two of the time-saving Johnson's Wax Polishes pictured at right... and put them to work for you in your home.

Then send us the paper disc you find inside the cap of each product... and we'll mail back your Dusting and Polishing Mitt—free of extra cost!

This handy, washable mitt is the same luxurious chenille that goes into fine robes and bedspreads. It fits any hand—man's or woman's—and you'll find a dozen uses for it in your daily cleaning. Dusts even those hard-to-get-at places in a jiffy! Polishes wax with a minimum of rubbing! Perfect for use with Johnson's Pride and Johnson's Car-Plate. Don't delay. Put Johnson's Wax Polishes on your shopping list today.

FREE

Order Blank—mail it today

S. C. Johnson & Son, Inc.
Dept. L416, Racine, Wisconsin

Please send me a Dusting and Polishing Mitt. I enclose two paper discs from Johnson's Wax Polishes.

Name _____

Address _____

City _____

Zone _____

State _____

(Limit one to a customer. Good in U. S. only. Expires May 30, 1952)



Your Dusting and Polishing Mitt will be one of these 4 lovely pastel colors

Dusty Rose • Frosty Blue • Maltz • Turquoise

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LIFE'S COVER

Esther Williams started training for swimming championships at the age of 8, when her mother bulldozed the Los Angeles City Council into building a playground pool near the Williams house. Esther paid her way by counting towels—one hour's swimming for every 100 towels. By the time she was 17 no one could beat her at free-style or breast stroke in 100-meter races, and the only thing that prevented her from winning a world's championship at the 1940 Olympics was the calling off of the Games. That was the last major disappointment in Esther's life; practically everything she has put her hand to since has turned to gold (pp. 139-140).

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4 Ways General Electric's New White Bulb is Different from Regular Bulbs



ONE OF THE LAMP BULBS in the photo above is a regular 100-watt lamp. The other, on the left, is a new kind of lamp bulb—General Electric's 100-watt White lamp. The White lamp is *bright all-over* because it has an inside "Q" coating that spreads the light evenly over the entire surface of the bulb. This "Q" coat gives near-perfect light diffusion so that shadows are softer, glare reduced. Yet it doesn't reduce light output. Try G-E White lamps now. See your G-E lamp dealer.



1. SOFTER SHADOWS

Pencil-test photos show that General Electric's new 100-watt White lamp softens shadows. Regular bulb (A) casts dark shadow. With White lamp (B) shadow is hardly visible.



2. LESS REFLECTED GLARE

No more squinting because of reflected glare from glossy pages with this new kind of lamp bulb! No more annoying glare from polished furniture surfaces, either!



3. BETTER DIFFUSION

General Electric White lamp spreads light evenly, making it wonderfully suited for use in reflector fixtures usually found over work benches, laundry tubs, etc.



4. WHITER, CLEANER LOOK

G-E White lamp keeps that clean, white beauty for life. Ideal for use where lamp bulbs are exposed. Ask for the new G-E White lamp, 100-watt . . . 21¢, plus tax.

PUT THE FINISHING TOUCHES ON SPRING HOUSE-CLEANING WITH GENERAL ELECTRIC'S 4-LAMP PACKAGE

“I’VE GOT FLOOR WAX, SCOURING POWDER, SOAP, EVERYTHING I NEED FOR SPRING CLEANING!”

“LOOK! WHAT ABOUT G-E LAMPS?”

“WHY LAMPS? I CAN’T CLEAN DIRTY FLOORS WITH ‘EM!”

“BUT NOTHING MAKES A HOUSE SHINE AFTER SPRING CLEANING LIKE G-E LAMPS!”

“BRIGHT NEW G-E LAMPS DO SHOW OFF A SPIC-AND SPAN HOUSE! SO EASY TO BUY, CARRY AND STORE IN THE 4-LAMP PACKAGE, TOO!”

4 100 WATT 56¢
4 100 WATT 64¢

REMEMBER, YOU’LL NEED THESE, TOO

30-6A. New kind of lamp bulb for ceiling fixtures. 40¢

150-WATT. For kitchen fixtures and over laundry tubs. 20¢

100-200-300-WATT 3-LITE. Choice of 3 brightness levels. 60¢

All prices subject to Federal Tax.

You can put your confidence in—

GENERAL ELECTRIC



IN THE LORAIN HIGH SCHOOL AUDITORIUM, RONALD YOUNG ASKS HIS CONGRESSMAN HOW HE CAN GET SOME TECHNICAL TRAINING BEFORE BEING DRAFTED

THE YOUNGSTERS ASK SOME QUESTIONS

Ronald Young is 16 going on 17 and, like dozens of boys his age in Lorain, Ohio and hundreds of thousands of boys his age in the U.S., he has a lot of very important questions to ask. They have been on his mind ever since the beginning of war in Korea when it became evident that every teen-age American boy was in for a spell of military service. But it has never been clear when or under what conditions they would have to go. To help them out Congressman William Ayres invited Ronald Young (*above*) and all the 16 to 19 year olds of Lorain to a discussion of the draft laws at the Lorain high school. Some 700 teen-agers showed up.

What, they asked ex-serviceman Ayres, is going to happen to us in the draft? What are

we fighting for? Will I be able to go to college? How long do you think we'll be in? How can we plan for a future?

For five hours the questioning went on (*next page*), and although Bill Ayres tried hard, only action by Congress and the Administration could resolve the youngsters' bewilderment.

But Washington last week was doing little to clear up the confusion. As two new divisions were shipped off to Japan the House was wrangling over inclusion of universal training in a new draft bill which lowers the conscription age from 19 to 18½, raises the term of service from 21 to 26 months. Once passed, it must be reconciled with the Senate version, which would set the age at 18, the service at 24 months. The

President's program for deferring college students of superior intelligence was under fire.

The confusion in Congress and its reluctance to act stemmed directly from the fact that the country was being mobilized not to fight a war but to meet a long period of crisis. The draft on the great pool of available men between 18 and 26, the best ages for military service, had to be made in a way that would hurt the nation least. This meant that fathers and married men had a claim to consideration as did veterans who had already discharged their duty by more than 12 months' service. Of those that remained it was necessary to train the scientists and specialists. Short of all-out war and all-out mobilization there would never be a simple way out.

AN OHIO CONGRESSMAN TRIES TO SOLVE THE DRAFT PROBLEMS OF HIS



QUESTIONING CONGRESSMAN on auditorium floor, still-puzzled teen-agers and a few mothers huddle around Ayres. The congressman, who is 35,

was drafted late in the last war, served 6 months with an outfit of 18-year-olds. He feels that has helped him to understand the problems of today's young men.



RIGHT TO VOTE was brought up by Bill Majessic, 17, who inquired, "If the 18-year-olds have to fight, why can't they vote?" Ayres said that he was for it.



ARMY RANK worried Charles Lewis, 17, a senior. "If you take all the men of 18, once they're in what chance do any of them have of becoming officers?"



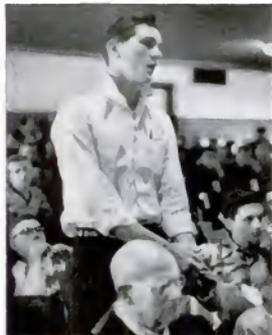
GIRL STUDENTS take up the discussion next day over Cokes at Sutter's ice cream parlor (above). Girls felt they had an interest in mobilization because, in

World War II, 116 young women graduates of Lorain High School went into the Armed Forces, along with 3,226 young men graduates and seven of the faculty.



FOREIGN POLICY was hit by Bernard Zinitz, 17. "Why send troops to Europe? We're scattering men all over creation," Ayres said Europe should do more.

YOUNG CONSTITUENTS



WAY OUT OF DRAFT was suggested by Steve Zatroch, 17. Will you get caught "if you leave your notice in the mail box and volunteer?" Answer: Yes.



PLANS FOR FUTURE worried Sergei Lukianoff, 16: "We will be going right into service. What kind of future can we have?" No one could answer this one.



DEFERMENT was sought by Dick Zelnik, 18, who has two brothers in service and asked, "If there's an emergency, how can we ever expect to get out again?"



THE CLASS OF '51 AND THE DEFERMENT ISSUE

After graduation this spring, most of the 163 young men in Lorain High School's senior class will enter service or go to work until they are drafted. For the pros and cons of deferring the 39 (group at upper right) who expect to go to college, see below.

PRO

Under existing laws college students may be deferred at the discretion of their local draft boards. Why should they be deferred when all others must serve? The most valid reason is that our chief advantage lies in our better scientific and technical know-how, which can be acquired only in college. Even if freshman engineering courses get full quotas of 50,000 students for the next three years, the U.S. will have an estimated shortage of 40,000 engineers by 1954. In the last war both the United Kingdom and Russia made a point of deferring certain classes of students for specialized training. And, in any case, deferment is not exemption from military service but only a postponement.

Actually mass deferment of all draftable college students would not cripple the national defense because every year about a million young men come of military age. Of this million only 400,000 ordinarily go to college. Finally mandatory drafting of every able 18- and 19-year-old might cut college enrollments 50%, and some schools would have to close their doors—a situation which eventually would seriously deplete the supply of trained leaders.

CON

The principal argument against deferring college students is that it deprives the Army of intelligent manpower. Beyond this practical point there is another which is based on moral and ethical grounds. It is undemocratic to fight "a poor man's war," wherein young men with money enough to go to college would be deferred while the greater number would be unable, for one reason or another, to go to college and would be drafted. Deferment on a basis of intelligence tests alone is unsound because leaders must have character as well as a high I.Q. And no test has yet been devised to measure moral fiber. As for the danger that some colleges may close, most schools survived the last war when 15 million men were called up. This emergency requires only 3½ million. And as the veterans studying under the GI Bill proved, many will come back to their books with more maturity and greater understanding.

But while exemption for any special class offends the American sense of fair play, even those who complain against the rules for deferment admit there should be some guarantee the nation will have scientists and technicians.



THREE WIVES FROM TULSA (Half the 45th are Oklahomans) watch, smile and photograph their

husbands marching in farewell review at Camp Polk before taking train to New Orleans 200 miles away.



ON THE DOCK, the men move past the table at which they were given ship bunk numbers as a Wave

watches critically. Six cargo ships had sailed with their heavy equipment; six troopships took the men.



IN A FORWARD HOLD of a troopship, soldiers peer up at cargo boxes marked TAT ("To Accompany

Troop") being slung aboard. Oklahomans shaved their heads Indian-style to distinguish themselves.

The Youngsters CONTINUED



SILENT THUNDERBIRDS AWAIT SAILING HOUR

MEANWHILE THE YOUNG STILL GO OFF TO WAR

Last fortnight, in a camp-to-dockside troop movement which was a model of fast-working military efficiency, the 45th National Guard (Thunderbird) Division sailed for Japan from New Orleans. The 45th had barely completed half its 26 weeks of training at Camp Polk, La. when, on Feb. 21, it was ordered shipped to Japan. (The 40th National Guard Division was sailing coincidentally from San Francisco.) At first, sullen loiterers filled the youthful 45th which, having fought with high distinction during World War II in Europe, had expected to be returned there. Then came the flurry of combat familiarization courses, of readying gear for overseas shipment and of 10-day leaves home, and with the assurance that their training would be completed on arrival in Japan their bitterness changed into the wry half-humor that is the healthy young man's reaction to an uncertain and probably dangerous future.



STAND-UP MEALS (here beans, hot dogs) began at once aboard ship, would continue until arrival.



FROM HERE TO OBSCENITY

THE BET IS ON FRANCE

There is good news of France. All sorts of bets that would not have been risked a few months ago are now being placed on its vitality, its future and its value to the cause of freedom. The word from General Eisenhower is that he no longer worries about the fundamental vigor of France; he believes that the country is coming through as a sound ally. In the forthcoming May issue of the *Atlantic Monthly*, Editor Barry Bingham of the Louisville *Courier-Journal* has a strongly documented report—based on a tour of duty with the ECA in Paris—to the effect that France has gone much further in its post-war comeback than most Americans have been led to believe. Naturally the biggest bet has been placed by a Frenchman. During his visit to the U.S., President Auriol of France said:

"The attitude which has been given the barbarous name of 'neutralism' has always been foreign to the French soul, not only because it is a moral absurdity—can anyone be neutral between servitude and liberty, between good and evil?—but because it is geographical and historical nonsense. Our people . . . know that right without might is powerless. They know that isolation is death. They know . . . that in the common strategy for freedom and peace, France has courageously accepted the tasks and responsibilities of a great world power."

These opinions and reports are encouraging. Let's hope they are correct.

DOWN WITH GERRYMANDERING

On pages 10 through 12 of this issue LRF has some fun with the ancient practice of gerrymandering, or cutting up congressional districts to suit the convenience of politicians. Actually the subject is as serious as the proposition that one American's vote is as good as another's. Every 10 years, as congressional seats are reapportioned after each census, the U.S. has passed up the chance to end gerrymandering and put the election of Representatives on a universally fair and honest basis. This is the year to get the job done at last. A reform bill introduced by Representative Emanuel Celler of New York provides that no district may vary by more than 15% from the average population of all districts in a particular state. Since the essence of gerrymandering is to create wide and artificial differences in the populations of congressional districts, the Celler bill gets at the heart of the matter. It ought to be enacted.

The big success in the book world right now is a novel about life in the Regular Army (*From Here to Eternity*, by James Jones; Scribner's, New York, \$4.50). It is outselling all other novels at the moment, its young author is hailed as another Thomas Wolfe, and anyone who questions the book on any ground other than a certain overwriting is asking for admission to the literary doghouse.

Well, open up the doghouse. We herewith step beyond our usual province and raise some objections to *From Here to Eternity* on literary grounds. Our objections have nothing to do with the acknowledged virtues of the book. Its vigor, its sincerity, and a fundamental understanding of and respect for the Army set this novel apart from such insidious slime as 1948's *The Naked and the Innuent*. What is questioned here is the proposition that *From Here to Eternity* is an outstanding piece of literary realism.

In our opinion it is no such thing. Both our judgment and the contrary acclaim rest largely upon the dialog. And here, of course, we get to the four-letter words. *From Here to Eternity* has more of them per page than any other novel ever published for general reading in this country. The excuse is that the soldier talks that way, so any true account of the soldier's talk, life and habitat must

include the characteristic monosyllables in more or less accurate proportion. The literature of the West offers no basis whatever for this excuse. Ever hear of a young American realist of another day, Stephen Crane, and his *The Red Badge of Courage*? Or of Rudyard Kipling and his *Soldiers Three*? Or of Leo Tolstoy and his great novel, *War and Peace*? Or of a contemporary novelist, James Gould Cozzens, and his fine *Guard of Honor*? They and many others have conveyed the feel, the truth—yes, and the sound—of the soldier and of armies without resort to lingual paresis.

This particular brand of "realism" is phony, anyhow. Four-letter words in print, especially when they occur with the clamorous repetition of *From Here to Eternity*, take on an emphasis and a total significance which they do not have in the actual life and language of the soldier. There, as anyone who has been in or around armies knows, they are blurred and minimized by the manner and frequency of their use. Printing them magnifies them, and the result is a misleading falseness which is the opposite of valid realism.

The authors, critics and publishers who fall so easily for four-letter "realism" ought to take pause. They ought to remember, among other things, that stenography is not art.

A LITTLE BRIMSTONE, PLEASE

Now here is something to think about. Commentators and preachers who take off on the sheer sinfulness of the practices and conditions recently exposed by Senate investigators are the exception, not the rule, around the country today.

There was a time when the gangsters, gamblers, thugs, molls, shady businessmen and begrimed officials now on exhibit would have been sufficiently identified as bad people, morally lost and morally dangerous to everyone else. In the colorful and explicit language of the oldtime religion, they would have been put down as sinners ripe for burning in a thousand brimstone pits. Now, of course, only an antediluvian relic would expect a general denunciation of sin and sinners. But what of the whole concept of individual moral responsibility? It is still around, but you have to look pretty hard to find it.

The fashion among the commentators is to view the whole thing as primarily a problem of government rather than of personal right and wrong. According to this standard, crooks are dangerous, thuggery is deplorable, morality is imperiled to a vital extent only when public officials are involved, by bribery or passive connivance.

The thought that the level of general and individual morality may have something to do with it all has crossed the minds of some editorialists, commentators and preachers. But they are in the minority, and most of them creep upon the subject with all the enthusiasm of a rabbit snapping at a tiger. In some 160

items of printed comment examined last week, the word "wicked" was used exactly once to describe the conditions in question. For the most part what you get from sanctums and pulpits is the unoriginal and unproductive sentiment that unless this kind of thing is stopped we will be in a bad way, governmentally speaking. To this is often added the assurance that of course the morals of the country are perfectly sound—the interest and enthusiasm with which the investigations are received is taken to be sufficient proof of that.

Maybe so. Wherever individual Americans express themselves directly—in letters to editors and to the investigating committees, for example—there is a tone of personal involvement and outrage. A hot wind does seem to be blowing from the hearths of America, and local authorities are beginning to take some action here and there. Maybe the calmer commentators and preachers are out of touch with the people. Maybe the Rev. Billy Graham, a mildly famous throwback to the tradition of hell-fire evangelism, was in closer touch in Fort Worth the other day when he thundered that millions of the "spiritually blind" are "getting their eyes opened." But even the Reverend Billy had to bring in the government, saying, "The devil has had this country in control for a long time, but thank God for the first time we have a Congress that is going to do something about it."

The Reverend Billy is at least saying something about it. This country can use a little brimstone.



MO'S BIG SMACK

Headed for Pearl Harbor after six months in Korea, the U.S.S. *Missouri* ran through stormy Pacific weather, broke out into a choppy sea. As she plowed on, a white-capped wave lifted her bow out

of the water, dropped it hard and at that moment a Navy photographer, standing above 16-inch guns, snapped this picture of "Mighty Mo" giving the Pacific a gigantic, spray-spewing smack.

TEXAN DIGS TWO FEET AND STRIKES OIL

It practically barrels itself for a lucky lawyer

There had always been something funny about Harry Ratliff's property in West Texas, but the thing that really brought its peculiarity to his attention was an incident that took place in 1943. That year a man with a horse and wagon was loading gravel from the dry river bed that runs through Ratliff's property near Colorado City. He finished the job, lit his cigaret, tossed the match in a puddle, and the puddle went up in flames. It cost \$85 for a veterinary to fix up the burns on the horse and pretty well proved that Ratliff's land was soaked to the surface in oil.

Ratliff, who is a lawyer, began poking around in the gravel in his river bed and came up with a startling fact: although the average depth of nearby oil wells is 6,000 feet, Ratliff found he could strike oil in his own back yard merely by digging a few inches with his bare hands, a shovel, or, most efficient of all, a simple posthole digger. Furthermore, by a happy coincidence, there was a handy customer for all this oil. Ratliff's nearest neighbor, the Col-Tex Refining Company, was just a few feet away across the road. Ratliff, who is Col-Tex's legal counsel, decided to go into the oil business.

For the first years production was very low, but after some discouraging experiences with a couple of drillers he hired, Ratliff ran into Harlan Welch, a Texan who lives in a 500-barrel oil tank in nearby Robert Lee. Welch came up with an ingenious rig (right) that would pump three separate wells at a time at a rate of 1½ barrels an hour apiece. The wells themselves were simply short pipes stuck in the ground, and the only pumping power required came from the vacuum pump on Welch's car. Ratliff and Welch soon became the envy of oilmen, who sometimes have to invest as much as a million dollars in drilling a well. But there was one big hitch. Oil production in Texas is closely regulated by the Railroad Commission of Texas. In the pre-Welch days the commission had paid little attention to Ratliff's small unofficial sales, taking the stand that Ratliff's land was not a field but seepage from the nearby refinery. Last month Welch, convinced that he was working in 12-inch-deep strata that would yield 2,300 barrels an acre, decided to apply for an official drilling permit that would allow him to sell oil at the official price of \$2.65 a barrel rather than the cut-rate price of \$1.50. It would be up to the commission to determine if he was tapping a new field or just sopping up refinery spillage.



OILMAN HARRY RATLIFF



WELCH'S PUMPING RIG is spectacularly simple. Here Welch (foreground) tightens connecting hose on Well No. 2, a four-foot hole in which he has sunk a perforated two-inch pipe. Oil is sucked through pipe and hose into the vacuum



LOOKING FOR OIL, Welch stabs his sugar-tye posthole digger at random into the gravel along the dry river bottom and scoops out a few loads of stones.



STRIKING OIL Three minutes later at a depth of 14 inches, Welch reaches in the hole to touch black liquid. The wells average two to four feet in depth.



POURING OIL from his main tank (background), Welch lifts the nozzle as the drum fills. Drum holds 55 gallons. A barrel, the standard measure, holds 42.



tank in rear, which is made from an old hot-water heater. Suction comes from vacuum pump which operates car's windshield wiper. Later oil is piped off into drums. Ratliff, in background, is checking oil flow through a window in the pipe.



TOO MUCH OIL is problem of Rollie Bell, neighbor of Ratliff, who is drilling for water. So far he has drilled down 26 feet, but he is still getting oil. "I want water so I can raise minnows to sell," he says and will drill 100 feet if he has to.



OIL IN YARD provides \$12 weekly income for Mrs. Charlie Thompson, whose eight children all pump daily at this 42-foot well. Mrs. Thompson's house is right next to refinery (background), which may account for the neighborhood oil boom.



BURNING RIVER BED, flaming as it did when it burned the horse in '43, is watched by Ratliff. If he and Welch have struck an oil field, they may become oil tycoons. If oil is only plant seepage, wells will probably not amount to much.



PARALLEL WAS MARKED—AND MISSPELLED—ON RATION BOX PLANTED BY 25TH DIVISION'S RECON UNIT



A SELF-PROPELLED 155-MM LONG TOM GETS SET

AND ONCE MORE, PARALLEL 38



U.S. MORTAR POSITION IS HIT BY RED GUNS, ZEROED IN BY OBSERVERS IN THE HILLS (BACKGROUND)



BADLY WOUNDED MAN (ARROW) CRAWLS TOWARD



TO FIRE OVER THE PARALLEL TO SUPPORT ADVANCING INFANTRY. BEHIND THE GUN ARTILLERYMEN DIG FOXHOLES FOR PROTECTION AGAINST ENEMY FIRE

Last week the U.N. crossed the 38th Parallel for a second time. Six U.S. and four South Korean divisions went over in force. At first they ran into dug-in Red troops and artillery. After some short, sharp fighting, the Chinese suddenly pulled back in some sectors and U.N. patrols pushed cautiously ahead. General MacArthur's latest estimate of Red strength in North Korea was 63 divisions, over 400,000 men.

In the capitals of our allies and at the U.N., diplomats still questioned crossing into North

Korea. Would this "provoke" the Chinese into a new offensive and spread the war? In London the British let it be known that our arrival at the parallel was the "psychological moment" to "negotiate a settlement that would insure an independent and democratic Korea." MacArthur's sound military position was that he had to keep the initiative. The U.S. State Department had drafted a statement which included an offer to negotiate with the Chinese. It was consulting with the nations fighting with

us in Korea when General MacArthur put forth his own peace offer to the Chinese commander. Irate U.N. members lit into the general, but the Chinese were disinclined to talk things over, no matter who made the offer.

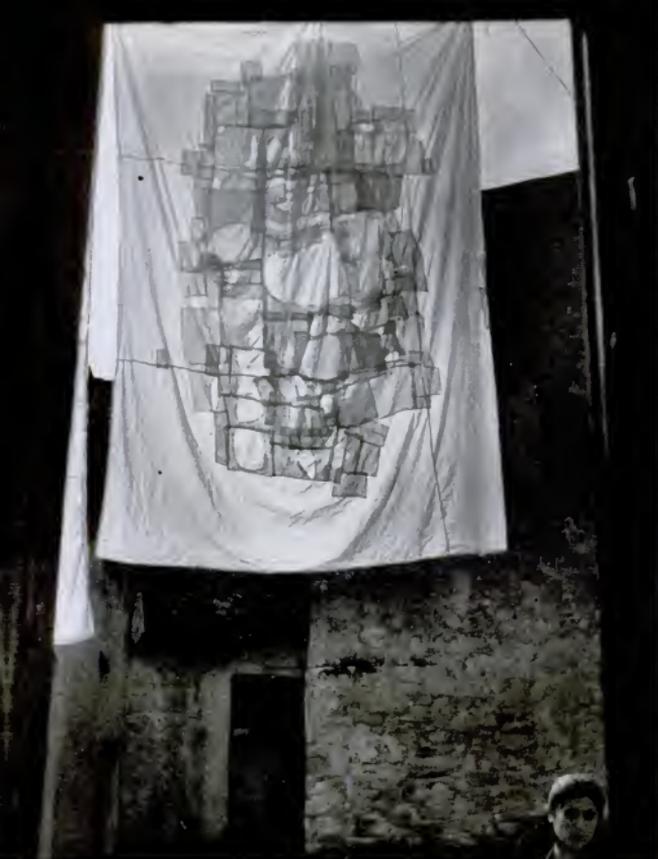
The whole effort to limit the war to Korea might soon be academic. The Air Force reported a "substantial" build-up of Red air power in Manchuria. If these planes entered the war, MacArthur was authorized to send U.N. bombers over the Yalu to hit the Red Chinese bases.



COVER AND SCREAMS FOR HELP FROM THE MEDICS



JEEP MOVES UP INTO EXPOSED POSITION, AND AS THE FIRING CEASES, MEDICS GET THE WOUNDED MAN



NEW COLORS At Windsor Castle on April 3, England's George VI (second from right)

OLD SHEET In southern Sicily a touring U.S. student, Angelo Caravaglia, tried out a new camera in a village courtyard and produced this curious pattern. Actually it is a thrifty Sicilian family's patched, 50-year-old bed sheet drying on a clothesline.



CAT ON THE FENCE

At Davis, S. Dak., the Vermilion River overflowed and trapped Willie Hyronimus' cat. It found precarious

safety on a fence, stayed there for three hours, often napping, until rescuers arrived in a tractor.



presented new colors to two Coldstream Guard battalions. The tableau above follows an old ritual. Senior majors (left) march past regimental

lieutenant colonel and adjutant (center) to hand the colors to His Majesty, who is the Coldstream's Colonel-in-Chief. King places colors in color belts

of ensigns, who make his task easier by kneeling. Before presentation, colors are laid on the stacked drums (right), which serve as sort of military altar.



A COP ON THE JOB

In New York, James Dunbar bashed in a shop window, prepared to hand out a suit to Leonard Brown

(face hidden). But then Patrolman Robert Hayes arrived, and so did a *Daily Mirror* photographer.



THREE RESPECTACLED LEGAL GRACES, VON FALKENHAUSEN'S LAWYERS, AND THE EMBITTERED DEFENDANT LISTEN TO THE TRIAL IN BRUSSELS COURTROOM



AT BORDER von Falkenhausen (right) and two others released at same time pass by customs officials.

UNGRATEFUL GENERAL GOES HOME

Last month the case of Hitler's military governor of Belgium, Lieut. General Alexander von Falkenhausen, came to an end. To most Belgians he symbolized the hated occupation. But some thought that he had treated Belgians as humanly as possible. The prosecutor summed it up: "Is there a difference between a sadistic SS and a gentlemanly officer who signs death orders?" The court's answer was a qualified "no" and a sentence of 12 years at forced labor.

Three weeks later von Falkenhausen was released, primarily because of the six years he had served before his trial began. Crossing into Germany, the still haughty 72-year-old Prussian inscribed in the book at the customs post, "*Belgia ingrata, non possedebis ossa mea* (Ungrateful Belgium, you shall not possess my bones)." Shot back an irate Belgian newspaper, "Did he want us to raise a statue to him for having tortured and shot us?" The general made no reply.



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supper. Here's a soup to give both a lift to your
meal and thrift to your budget. Have it again soon!

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CHICKEN NOODLE SOUP



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*Front opening gives you
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Saves you over 200 hours of kitchen drudgery every year! Frees your hands from dishpan soaking! Washes, rinses and dries dishes far cleaner than you could ever do them by hand!

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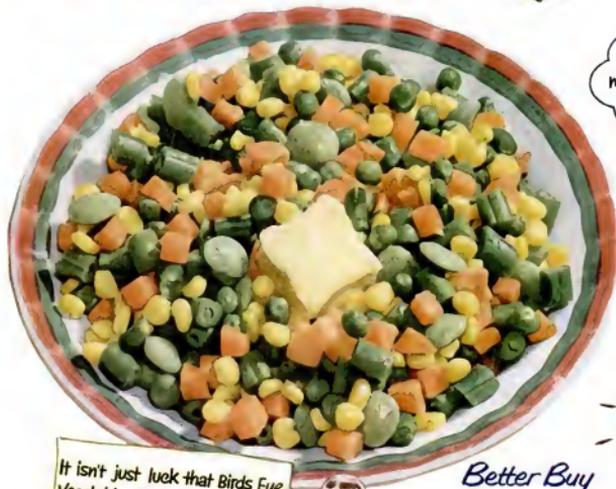
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THE CASE OF THE WORLD'S GREATEST SECRET

After six years of complacency the U.S. learns that the Russians knew about the bomb all along

In August 1945 Harry Truman, Josef Stalin and Winston Churchill met at Potsdam for a Big Three conference. At the end of the meeting Harry Truman walked around the big conference table and told the Russian premier that the U.S. had just perfected a new kind of bomb infinitely more destructive than anything hitherto known. The first one had been exploded experimentally only a few weeks before at Alamogordo, N. Mex. Stalin did not seem greatly surprised at the news, and others present concluded that he simply did not appreciate the magnitude of Truman's disclosure.

Last week, in the New York federal court, four Americans were convicted of conspiracy to commit espionage against the U.S., and the reason for Stalin's lack of surprise at Potsdam was painfully clear. The trial of the four spies ended a chapter in a labyrinthine story of international intrigue, secret rendezvous and painstaking but tragically tardy detective work. The chapter began on Route 66 near Albuquerque, N. Mex. on Nov. 29, 1944. That evening a burly young man wearing the striped-leeve uniform



DAVID GREENGLASS

of a U.S. Army corporal and his sweet-faced, brown-haired wife took a long walk out from the center of Albuquerque, N. Mex. It was a familiar enough sight in that wartime year and a common enough occasion. They were New Yorkers, and now he was stationed at an obscure Army base about 60 miles north of Albuquerque. He had a three-day pass and she had come out from New York so they could be together on the occasion of their second wedding anniversary. Strolling in the crisp clear New Mexico evening, she told him the news from home and Dave Greenglass listened eagerly. Ruth told her husband that she had seen the Rosenbergs and Dave's face brightened. Julius Rosenberg, who had married Dave's sister, had always been his hero. The son of a poor machinist, Dave had grown up on New York's teeming East Side, and Julius Rosenberg, three years older than he, had occasionally visited him as a kid. Usually Julius brought him presents—fruit, candy and once a chemistry set because he loved chemistry. And always some leaflets about Communism. Son of a relatively well-to-do clothing worker, Julius was tall, smart, sure of himself. Dave looked up to him physically and intellectually.

Anyway, Ruth said, she had recently had dinner with the Rosenbergs in their little \$51-

a-month apartment in New York's Knickerbocker Village, a low-income housing project. They had told her how Julius at last was doing what he wanted to do. They did not go to Communist meetings any more, they bought *The Daily Worker* only surreptitiously and they stayed away from other members of the Party. For Julius now had to keep himself above suspicion. He was engaged in the transmission of critical information to Russia. And Ruth even had some surprising information: that the project Dave was working on was an atomic bomb.

Dave himself had not known what he was working on. A machinist in civilian life, he had been in the Army since 1943. Three months before he had been transferred out to the bleak mesa of Los Alamos, with its massive mechanical installations. He had been assigned to work in a machine shop, the smallest of Los Alamos'



three, in E Building. Scientists came around regularly and gave him sketches of odd gadgets they wanted turned out on a lathe or shaper, and he turned them out. Security was terrific. No one was allowed on the high mesa without being carefully screened; mail was censored, and workers and military personnel were confined to specific areas. Everyone wore badges indicating his authority. But no one seemed to know why all this was going on.

Ruth continued talking. Julius had urgently asked her to request something of Dave and, indeed, had financed her trip out to New Mexico with \$150. Would Dave pass on to Julius everything that he could learn of the bomb's development? She herself had been reluctant to ask Dave to do this, but the Rosenbergs had pressed her. After all, they said, Russia was America's ally and was entitled to the information.

Dave was scared and uncertain. He didn't know what to say. But the force of Julius' personality was strong. There was the memory of



RUTH GREENGLASS



ETHEL AND JULIUS ROSENBERG PONDER THE PAST AFTER HEARING SENTENCES

what he had read in Julius' leaflets and his clever arguments pointing out the superiority of young, forceful Communism over decadent capitalism. He and Ruth finished their walk. Next morning his mind was made up; he would give Julius whatever he could get. Before Ruth left he answered all the questions Julius had told her to ask: How many people on Los Alamos? What scientists? (Bohr, Oppenheimer, Kistiakowski). What was the physical layout? In accordance with Julius' instructions, Ruth didn't write any of it down. She memorized it.

In January, Dave got a furlough and came back to New York. He saw Julius, and Julius, who was an electrical engineer, stunned Dave by explaining to him the general working principles of the atomic bomb (this was seven months before the first experimental bomb was exploded at Alamogordo). Dave pleasantly surprised Julius, too. Having made molds in the machine shop and having wangled information out of loquacious scientists, he was able to show Julius a rough design of the ultracast detonating lens producing the implosion (LIFE, March 26) that triggers the bomb into action. He carried all this out of the project in his head; he didn't dare try to smuggle sketches or plans. Before he returned to his post, where Ruth would presently join him, Dave and Julius made other arrangements. A courier would call on them in the future. For identification purposes he would show a carefully cut half of a parcel (the one with recipes on it) from a Jell-O package. Ruth would keep the other half.

Dave and Ruth rented an apartment at 209 North High Street in Albuquerque. One Sunday morning in June a sallow, thoughtful-looking young man came to the door. "Julius sent me," he announced, which was the recognition sign. He had the other half of the Jell-O parcel and they fitted them together. The newcomer



said simply, "I'm Dave from Pittsburgh." Dave gave "Dave from Pittsburgh" drawings and written explanations of the bomb's workings and he in turn gave Dave an envelope containing \$500, which Dave gave to Ruth. Like any virtuous wife she put most of it in their savings account. But with unconscious irony she used \$37.50 of it to buy a U.S. war bond.

On Aug. 6 the first atomic bomb to be used fell on Hiroshima. The world reeled with the



HARRY GOLD

news and wondered how the enormous and complex process of the bomb's development had been kept so close a secret. Three days later a second bomb of a different type was dropped on Nagasaki. The following month Dave Greenglass, back in New York, drew up for his good friend Julius detailed plans and many pages of description of how the second bomb differed from the first. The Greenglasses and the Rosenbergs sat around the Rosenberg apartment—a comfortable little family group. Ruth and Julius corrected Dave's rather ungrammatical English and Ethel Rosenberg, Dave's sister, did the typing.

On Feb. 28, 1946 Dave Greenglass received an honorable discharge from the Army of the United States. Even before that Julius had begun to lose interest in him as a source of information. The Russian espionage system had obtained from Dave all that he could give, which was a great deal. But they had many other sources.

To appreciate the scope of the Russian accomplishment it must be borne in mind that although some 200,000 persons were engaged in production of the atomic bomb, only a couple of hundred knew what was being done and, most important, *how* it was being done. So Russian agents had to weave through a congeries of security measures, seek out the few from the thousands and induce them to disclose what has been called the best-kept secret in all history. The few were largely physicists and scientists and a few strategically placed persons like Dave Greenglass at his lab in E Building. Most of those successfully reached by the Russians, so far as is known, were or had been Communists. For Julius Rosenberg the discovery that his brother-in-law and protégé, who apparently was never a Communist, had actually been assigned to Los Alamos was a stupendous stroke of luck.



But the incredibly painstaking Soviet spy apparatus did not depend on coincidence. At the time it first got a hint that Britain, Canada and the U.S. were joined in some monumental secret project, it started collecting information on locations and personnel, then began probing for Soviet sympathizers. Perhaps no one in the world knows how many persons were watched, studied and approached, nor how many were written off as unworkable. But even without Greenglass, Russia had more expert and highly placed sources within the international group of physicists working on the bomb.

One of these was Klaus Fuchs, a Communist who was actually a member of the British atomic energy mission, a group which came to this country in 1943 to help in atomic development. Another was British-born Allan Nunn May, who supplied U-235 samples to a Russian military officer in Montreal. Familiar with the problems of the Hanford plutonium piles and many other top-secret atomic developments, May gave the Russians an over-all report. A third source may have been Bruno Pontecorvo, Italian-born scientist who contributed to the Chalk River (Ontario) reactor and worked on H-bomb materials. Last September, without ever having been accused of espionage, he journeyed mysteriously to Russia with his wife and three children and has not been heard of since.



KLAUS FUCHS

These and presumably others were linked to the central Soviet espionage bases by "Dave from Pittsburgh." Actually this was Harry Gold, a Swiss-born biochemist who was a courier for Rosenberg's superior, Anatoli A. Yakovlev, Soviet vice consul in New York until December 1946. A Communist spy since 1935, Gold spent long periods away from his succession of jobs, which included being chemist in Philadelphia General Hospital, Philadelphia, to travel the country by devious routes, pick up packets of information from the "sources," occasionally give them money and deliver the packets to his superior. To each source he was known under a different alias, and he usually arranged meetings in some public place, such as in front of a church or on a street. (One of his meetings with Yakovlev took place near Borough Hall, Brooklyn.) In accordance with the elementary rules of espionage, none of the sources was ever informed of the identity of other sources. For example Fuchs and May worked together without



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ever knowing each other as spies in a common cause. This was not only safer but enabled the Russians to cross-check accuracy of information. Often Gold had to press money on the sources, who determinedly did what they did out of misguided idealism. But the Soviet spy apparatus insisted that each receive bribe money to further involve him and to provide a blackmail lever against him if it should be needed.

Even though he had worked for other Soviet agents for years, Gold first met Yakovlev in March of 1944 by the elaborate prearrangement which governed all such meetings. They met at the bar entrance to a Child's restaurant on 34th Street near Eighth Avenue in New York. Thereafter, on Yakovlev's orders, he met sources at irregular and widely separated times and places. He met Fuchs in Woodside, Queens, N.Y. in June of 1944; at New York's 96th Street and Central Park West the next month; in Cambridge, Mass. in January of 1945; in Santa Fe in June 1945, just before he went to Greenglass in Albuquerque, and once again in Santa Fe on Sept. 19. He had not wanted to contact both Fuchs and Greenglass on the one trip because he felt it was too dangerous, but Yakovlev, who had been very excited by Fuchs' last report and mention of a lens as part of the bomb, had insisted. During his first meeting with Greenglass he was frightened by Greenglass's offer to recruit others in Los Alamos who were friendly to Communism and would be glad to pass along information. A veteran spy, which means a fanatically cautious one, Gold sternly told Greenglass on no account to suggest to anyone that he was giving information.

The 12 meetings Gold had with Yakovlev to transmit information were set up with special care. Each time a meeting place was agreed on and also a later alternate place in case one could not appear at the

prescribed time. A third meeting place was also agreed on for emergencies although such a meeting could be called only by Yakovlev, since Gold knew Yakovlev merely as "John" and did not know where or how to reach him. Usually each carried a newspaper to the meeting place, and they exchanged them, Gold's would contain an envelope of information. At one meeting Gold gave Yakovlev the means by which a courier was to make contact with Fuchs in London. Gold later testified as follows: "Beginning on the first Saturday of every month after it had been determined that Fuchs had returned to England, at a stop on the British subway called



ANATOLI YAKOVLEV

Paddington Crescent, possibly Teddington Crescent, 8 p.m., Fuchs was to be carrying five books bound with strings and supported by two fingers of one hand; he was to be carrying two books in another hand. His contact, whoever that would be, was to be carrying a copy of a Bennett Cert book. Stop Me If You Have Heard This [actually a Try and Stop Me]."

The last Gold-Yakovlev meeting occurred in a bar on Second Avenue in New York, on Dec. 26, 1946. "John" had summoned Gold to discuss his making a trip to Paris to meet a physicist. Gold had said he could do it as soon as the pressure of his work at a chemical laboratory operated by Abe Brothman had lifted a little. Realizing for the first time that Gold was associated with Brothman,

"John" leaped to his feet in a burst of anger and told Gold, "You fool! You spoiled eleven years of work." Brothman had once been suspected of engaging in espionage, and Yakovlev feared Gold's job with the laboratory would draw suspicion to Gold and thus eventually to Yakovlev himself. He threw down money for the drinks and soon after returned to Russia.

However, by latter 1945, this tight little group had done its work so effectively that the Kremlin knew more about atomic bomb making than all but a handful of persons in the democratic countries. Some of these today are of the opinion that the Soviet could have exploded its first bomb sooner than in September 1949.

In 1946 Igor Gouzenko, an obscure cipher clerk in the Soviet em-



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World's Greatest Secret CONTINUED

bassy in Ottawa, who was handling espionage messages, lost his faith in Communism. One night he gathered all the traitorous evidence he could conceal on his person and fled with it. He tried unsuccessfully to interest a newspaper and Canadian officials in his documentary evidence of Russia's spying. But not until police caught panicky Soviet embassy attaché breaking into Gouzenko's apartment was the importance of his papers understood. In one of the notebooks the name "Fuchs" was found, a glaring clue. But nothing came of it.



Three years later British counterespionage agents, working in Europe, encountered unmistakable indications that the Russians had a vast amount of supposedly highly secret atomic information. Then the democratic countries realized the horse had long been gone from the stable. The British tried and failed to locate the source of the leaks, which they thought came from Harwell atomic laboratory, the British atomic energy laboratory. They asked the FBI to send men to London. The FBI men began a mythical reconstruction of the kind of man who could be giving out the information. He was obviously a top-flight scientist and one who had visited the U.S. atomic installations. The trail did indeed lead to Harwell. A list of possible suspects was compiled and narrowed down. One still under suspicion was Klaus Fuchs, a senior scientific officer there. Finally, after the most intense surveillance, he was arrested. He quickly confessed, stood trial in historic Old Bailey and was given 14 years.

The news of Fuchs' arrest terrified Julius Rosenberg in New York. He went to the Greenglasses and begged them both to flee the country because he was afraid that Fuchs would lead to Gold, and then Gold would lead to all of them. Presently he gave Dave Greenglass \$5,000 to leave the U.S. and went to great pains to make arrangements for them to escape to the Iron Curtain by an "underground railroad" (to Mexico, then Sweden or Switzerland and into Czechoslovakia). Rosenberg even made Greenglass memorize a letter which he was to write to the Soviet embassy in Mexico City once there. Three days after he had mailed it Greenglass was to stand before a statue of Columbus in Mexico City holding a guidebook, and when a man approached him was to say, "That is a magnificent statue." To which the man would reply, "There are much more beautiful statues in Paris." The man would then give him money and passports to leave for Europe from Vera Cruz. But despite Rosenberg's fright and arrangements, the Greenglasses, who had just had a second child, did not want to leave their country. The alarm might blow over, they reasoned; it had before.



MORTON SOBELL

But in London mild, intropective Klaus Fuchs, confessing fully, had told about the courier to whom he had given material. He did not know the courier's name, but he did know that he was a biochemist and could give a description of him. The indefatigable FBI combed U.S. records for a biochemist answering the description, presently brought Fuchs movies they had made of Gold, unknown to the suspect. The movies enabled Fuchs to identify him.

Arrested in New York, Gold confessed. Greenglass was arrested last June 15 in his apartment which the FBI searched carefully, and the Rosenbergs were seized soon after. Last

week the Rosenbergs were convicted of conspiring to commit espionage along with Morton Sobell, an old friend of Rosenberg's and a technician who had passed him information on superconductivity. The Rosenbergs got the death penalty, Sobell 30 years and Greenglass, who like his wife had turned state's evidence, drew 15. Gold had already been given 30 years.

To a U.S. suddenly indignant at discovering how insecure had been the security surrounding the "best kept secret of all time," it was little enough. To the U.S. Army, which had the responsibility for safeguarding the atomic project until it was taken over on Jan. 1, 1947 by the Atomic Energy Commission, it was a black defeat.

Admittedly in today's world it is impossible to "secure" a secret involving the building of whole cities like Oak Ridge and Hanford, the expenditure of billions of dollars, the employment of thousands of persons. Such security is only relative and temporary; it is a matter of how long the secret can be kept, not how perfectly. But the Russians made the time ridiculously short—short enough to make Harry Truman's big news at Potsdam fall flat.

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START ENJOYING THE OUTDOOR THRILLS that can be yours in a Nash Airflyte. Just step into a 1951 Nash. See what wide, new horizons open up—in viting you to enjoy life as you never have before. Think of sleeping where you like—being first on the spot where the big fish bite . . . of doing what others can't . . . going where others dare not. Drive it and you'll see why Airflyte owners go more places more

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Get started now for a summer of fun! See your Nash dealer. Before you decide, take an Airflyte ride—in the world's most modern car.



Your own cabin in the woods even has insect screens. Cutaway view shows spacious interior and seats that become Twin Beds. Great for touring.



An outboard motor is "swallowed up" in this huge luggage compartment—with room left over for the family's luggage. It's twice as roomy as some.



His turn! Let your companion have the thrill of "road testing" your Nash Airflyte while you settle back for a snooze in the Airliner Reclining Seat.



Airflyte Construction is the reason a Nash stays new years longer. Body-and-frame are welded into one double-rigid unit. Rattle-proof, squeak-free.



Record-breaker! The Nash Ambassador is a top winner of U. S. and foreign stock car races. And its high-compression engine uses regular gas.



Streamlined to boost economy—over 25 miles a gallon at average highway speed in the Statesman—up to 30 miles per gallon in the smart, new Rambler.

**Before You Decide,
Take an Airflyte
Ride—in the World's
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The Ambassador • The Statesman • The Rambler
Nash Motors, Division Nash-Kelvinator Corp., Detroit, Michigan

For whiskey with
striking quality, look
for CORBY'S PARROT



Follow the lead of millions who know good taste.
Find out for yourself why Corby's has become
one of the country's leading whiskey brands. Look for
Corby's Parrot, symbol of striking quality and flavor.
Next time ask for this fine whiskey—Say Corby's.

 Say **CORBY'S**

A grand old name since 1859



RESERVE BLENDED WHISKEY—86 PROOF—68.4% GRAIN NEUTRAL SPIRITS—JAS. BARCLAY & CO. LTD., PEORIA, ILL.



STRETCHED OUT TO REST AFTER HECTIC CAMPAIGN IN RIO, GAUNT DR. NAPOLEÃO LAUREANO SMILES AS WIFE MARCINA TRIES TO MAKE HIM COMFORTABLE

CANCER VICTIM'S PLEA

A young Brazilian surgeon uses his final days rallying sympathetic nation against the disease

Dr. Napoleão Laureano, 36, and his pretty wife Marcina were happy in a new home in João Pessoa, and his practice as a surgeon who concentrated his interest on cancer was flourishing. But Dr. Laureano began to suspect that he himself had an incurable form of cancer affecting the lymphatic tissues. A trip to New York City confirmed his diagnosis, and a few weeks ago Dr. Laureano flew back to Brazil. "A man ought to die at home," he said.

But while waiting to die, Dr. Laureano turned his case into a crusade to improve cancer diagnosis and treatment in Brazil. He felt he would be strong enough to spend 30 days on raising funds, gave himself 20 days in Rio de Janeiro, 10 days in rich São Paulo. All Brazil came to know of his crusade and impending death. A "hormone" promoter begged him to try his remedy, explaining, "If it works, the propaganda would make me rich," then added, "it might help you too." The money-raising was only fairly successful, but the doctor was happy with the campaign's emotional success. Then, weakening, he prepared to go home and await his death.



ARRIVING AT RIO DE JANEIRO by special Brazilian air force plane to begin his campaign for funds, Dr. Laureano is escorted through a welcoming throng.

*Off with the heavies!
Into the new Bostonian
Spring Informals!*

SPRING MEANS lightweight living in clothes and shoes—from head to foot!

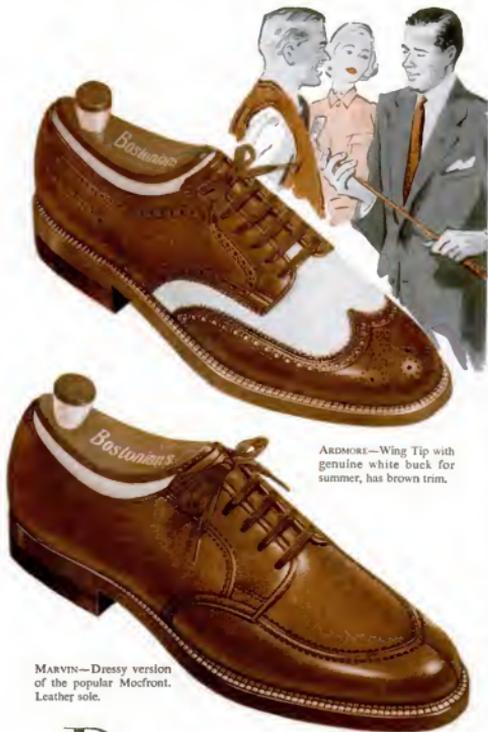
Here are the shoes to slip into this Spring! Notice the clean-cut lines that say, "Bostonians!"

Above all, feel the comfort. Marvel-

ous, all-day, Springtime comfort that puts wings on your feet! That's Bostonian Informals.

Yours, for the asking!

There's a Bostonian dealer near you ... he's worth looking for.



ARMORE—Wing Tip with genuine white buck for summer, has brown trim.

MARVIN—Dressy version of the popular Mocfront. Leather sole.

Bostonians

© Bostonian Shoes, Whitman, Mass.

Greater comfort than you've ever known!

Cancer Victim CONTINUED



"HAPPIEST HOUR" came for Dr. Laureano when he began his nationwide appeal for donations of cancer treatment funds. At Rio round table his wife (left) and her sister look on as he talks. The bottles contain mineral water.



WELL-WISHERS in Rio include Brazil's newly inaugurated President Vargas (left, Feb. 12) and an unidentified woman spectator at interview. Vargas promised Dr. Laureano "protection of the government" for himself and family.



AT HIS BEDSIDE physicians examine slides containing bone-marrow specimens which indicated that X-ray treatments could not be continued. As a last resort he is being given injections of the new drug Krebiozen flown from the U.S.



Blending of blues . . . Skyline for walls, Carlton for ceiling! Just one of the many pleasing harmonies you can create with SUPER KEM-TONE colors.

HEAVENLY BLUE .. super-washable, too!



\$1.59 QUART **\$4.98** GALLON
DEEP COLORS SLIGHTLY HIGHER
NO THINNING—
JUST STIR AND APPLY

Dreaming of a new room? You can have it in a day with SUPER KEM-TONE. It glides on your walls smooth as velvet. Quick, too. High-fashion deep tones, gorgeous intermediate shades and luscious pastels . . . they're all easy with SUPER KEM-TONE. This new de luxe wall paint comes ready to use, needs no undercoater, flows freely over previously painted walls, over wallpaper or plaster. And durable . . . countless washings won't spoil its beauty . . . dirt just whisks off its tough, tight surface. Try SUPER KEM-TONE—you'll love it!

Super Kem-Tone

Thrilling new colors . . . so easy to apply!



SO EASY TO APPLY . . .
Ready to use, no thinning, just stir and apply. SUPER KEM-TONE goes on "like a breeze" with brush or Roller-Koater, dries quickly . . . evenly . . . beautifully.



***GUARANTEED WASHABLE . . .**
After it is thoroughly dried, tests prove SUPER KEM-TONE will withstand repeated washings with usual household paint cleaners without impairing its beauty.

SUPER KEM-TONE is Guaranteed* Washable or your money back by seven leading paint companies . . .

Acme Quality Paints, Inc., Detroit
W. W. Lawrence & Co., Pittsburgh
The Lowe Brothers Co., Dayton
The Sherwin-Williams Co., Cleveland

John Lucas & Co., Inc., Philadelphia
The Martin-Senior Co., Chicago
Rogers Paint Products, Inc., Detroit

AT LEADING PAINT, HARDWARE, LUMBER AND DEPARTMENT STORES EVERYWHERE



KEM-GLO leaks and washes like Baked Enamel. The miracle lustre enamel for kitchen and bathroom walls and all interior woodwork—far interior and exterior furniture. Goes on like magic. One coat covers most surfaces. Dries in 3 hours. Washes as easily as your refrigerator. Even boiling water will not harm KEM-GLO's beautiful finish. Gorgeous new colors.

\$1.39 PINT **\$2.39** QUART **\$7.98** GALLON

Kem-Tone Top value in Thrifty Home Beauty
The oil paint that mixes with water. Your outstanding value in home decoration where a lovely flat matte finish is desired. Amazingly economical, a gallon of KEM-TONE, thinned with water, makes a gallon and a half of paint, ready to apply, at only \$2.66 a gallon.



\$1.35 QUART **\$3.98** GALLON (In unvarnished patch tint)



HOTTEST FREIGHT

Steel is shipped while still red

Most big American steel companies make basic steel ingots near the mill where they are worked, and transportation of hot ingots is a manageable problem. But in Nova Scotia, the Dominion Steel and Coal Co. ingots are poured in Sydney, 180 miles from its Trenton works, and until this year they have had to be cooled for weeks

before they could be shipped. This year, for the first time anywhere, Dominion started freighting its huge ingots hot. The one above, which weighs 65 tons, has just finished a 22-hour rail trip insulated in a mica-like mineral called vermiculite. During the whole trip its temperature dropped a mere 150° from its original 1,800° F.



AT 1,800' the 65-ton ingot is grasped by its "hot-top" and hoisted out of molli in a pit in the Dominion's open-hearth department at Sydney. When it has cleared the pit it will be turned over on its side and placed in a lifting cradle which will immediately lower it into a steel box on a nearby freight car.



IN THE FREIGHT CAR the ingot is quickly covered with vermiculite. The insulating characteristics of the mineral are so effective that the workmen can walk around on the red-hot ingot as soon as it has a two-inch covering. Dominion gets its vermiculite from the Zonolite Co.'s mines in Libby, Mont.

CONTINUED ON NEXT PAGE

*E-Z
does it!*



It's so simple—just ask for E-Z Underwear and Hosiery. It gives men and boys day-long comfort.

Probably the men and boys* in your own family wore E-Z underwear when they were little, because E-Z has been famous for generations. Under the familiar E-Z label, you will now find styles for both men and boys, including knitted cotton T-shirts, athletic shirts, knit briefs and broadcloth shorts. Also a variety of E-Z hosiery in ribbed, argyle and fancy patterns. E-Z Mills, Inc., Empire State Bldg., New York 1, N. Y.



*men's + boys'
underwear + hosiery*

*BOYS' GARMENTS ARE MARKED FOR WEIGHT AS WELL AS SIZE, TO INSURE PERFECT FIT.



Choose
Girard-Perregaux
and time
will confirm
the wisdom
of your choice

Shown: 14K gold, 17 jewels, \$110 (incl. tax incl.)
Others from \$45. Sold by selected jewelers

GIRARD PERREGAUX

Fine watches since 1791

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Hottest Freight CONTINUED



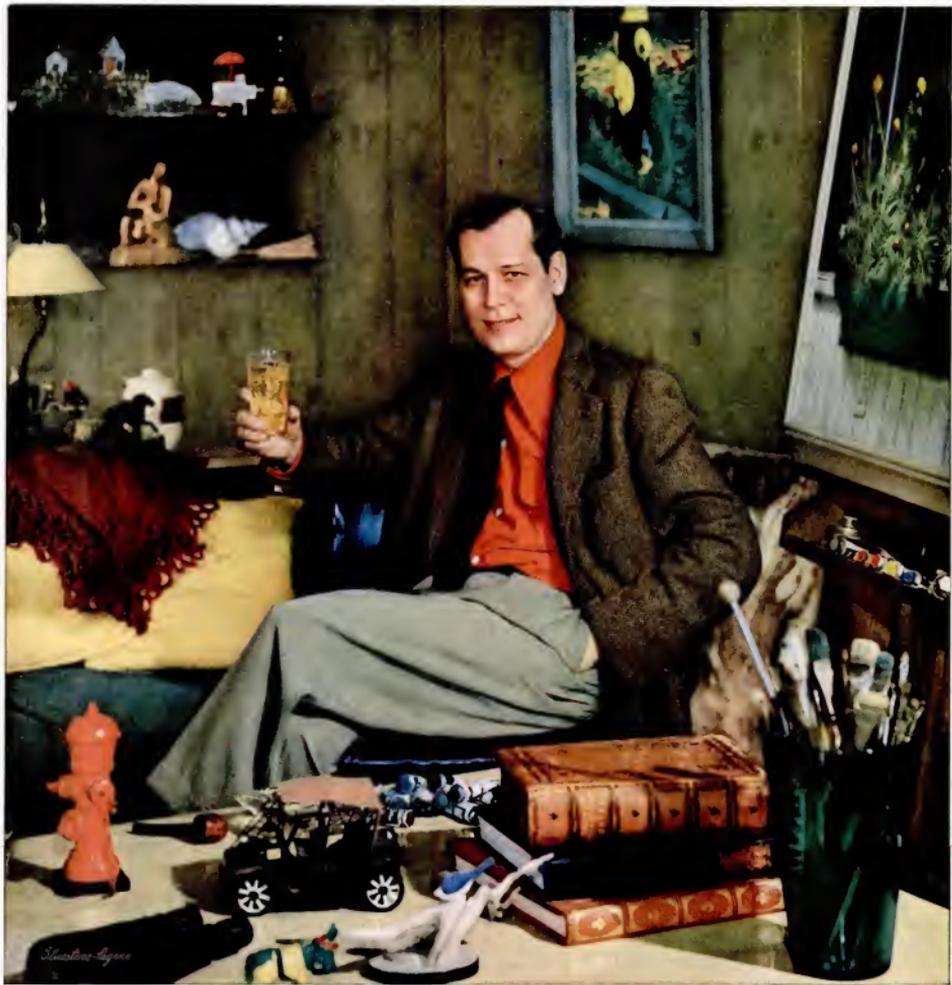
STARTING 22-HOUR TRIP, boxed and covered ingot is hauled by special freight train from Sydney to Dominion's Trenton Steel Works, 180 miles away.



ARRIVING AT TRENTON, upper half of still hot ingot's box is lifted off and vermiculite spills to the ground. It will later be shoveled up and used again.



END OF TRIP is this furnace at Trenton where ingot gets a brief reheating. New method has saved nearly two months and improved quality of the steel.



For Men of Distinction... LORD CALVERT

Whatever your favorite drink—no other whiskey in all the world will endow it with the *unique flavor* and *distinctive lightness* of Lord Calvert. For, of all the millions of gallons we distill, only the very choicest are set aside for Lord Calvert... custom-blended for moderate men who appreciate the finest. That's why Lord Calvert will make *your* next drink a *better* drink and why your guests will compliment your choice.

BLENDING WHISKEY. 86.8 PROOF. 65% GRAIN NEUTRAL SPIRITS. CALVERT DISTILLERS CORPORATION, NEW YORK CITY

MR. STEVAN DOHANOS—distinguished artist and illustrator. Raised by immigrant parents in Ohio, Stevan Dohanos earned his art tuition as a steel-will worker, truck driver and grocery clerk. He then painted steadily for five years before his talents for dramatizing commonplace scenes gained widespread recognition. Today Mr. Dohanos' murals beautify many public buildings, his cover illustrations appear regularly on the country's most popular magazines, and his devotion to developing young talent has led him to an outside teaching career in the Famous Artist Course, Westport, Conn.

"Hang the housework,
Mary's making Coffee!"



"M-m! Nothing Smells as Good as Coffee!"

Happy interruption! The smell of fragrant, fresh-brewed coffee carried on the spring breeze. No wonder the neighbour comes a-running. Who can resist coffee's cheery aroma—so tempting, so full of promise!



"M-m! Nothing Tastes as Good as Coffee!"

Mary's coffee is wonderful—full-strength, full-flavored. Coffee's such a mellow, bracing drink at mid-morning or any time—at home or in your favorite restaurant. So much enjoyment—and for so little money!



"M-m m—

Nothing Satisfies Like Coffee!"

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DO YOU KNOW



It takes an average of 5 long years before a coffee tree fully matures and reaches the point of normal production.



The average tree, when it is fully developed, yields the equivalent of only 1½ pounds of roasted coffee during a whole year.



About 3500 hand-picked coffee beans make 1 pound. Surprising that rich, home-brewed coffee costs just a few pennies a cup!



SWINGING A PICKANINNY CHERUB ON HIS ARM, DE LAWD IN HEAVEN WITH HIS ANGELS ENJOYS A FISH FRY IN HAPPY DAYS BEFORE HE CREATED MANKIND

LAST GLIMPSE OF "DE LAWD"

The pastures become green again

Once again on Broadway the curtain went up on a heavenly fish fry, and Gabriel shouted, "Gangway for De Lawd. . . ." De Lawd walked among his angels, and tasted a spoonful of custard. "I kin taste de eggs and de cream and de sugar," he said, and then added, "It needs a little more firmament." There was no firmament left in the jug so De Lawd passed a miracle to create some. And before you knew it, he also created the earth complete with Adam and Eve.

And so it came to pass that Broadway could see an excellent revival of Marc Connelly's play,

The Green Pastures, a touching and humorous parade of biblical scenes as they might be described by a Negro parson to his Sunday school. But though the play is almost identical with the Pulitzer prize-winning 1930 production—it still has Robert Edmund Jones's fine sets and the Hall Johnson Choir's wonderful singing—business is so bad that *Green Pastures* will close soon unless De Lawd passes another miracle. While there is time, *LIFE*, which was not being published when *Pastures* first was given, here presents this lovable piece of American folklore.

CONTINUED ON NEXT PAGE

SUNDAY CRAPSHOOTERS ARE CHIDED BY DE LAWD (WILLIAM MARSHALL) WHO WALKS THE EARTH AS A COUNTRY PREACHER AND TRIES TO REFORM SINNERS



I love undies of **Spun-lo**
RAYON FABRIC
 business gal's budget prices
 letter perfect fit and comfort



You'll love their easy washing
 choose from many styles...
 demand one label... **Spun-lo**



INDUSTRIAL RAYON CORPORATION • Cleveland, Ohio
 Producers of continuous process rayon yarns and [®]Tyron cord for tires

"The Green Pastures" CONTINUED



NOAH AND HIS FAMILY STAND ON THE ARK AS THE DELUGE BEGINS WHILE



IN PALACE MOSES (THIRD FROM LEFT, ABOVE) TRIUMPHS OVER PHAROAH





SKEPTICAL SINNERS RAISE THEIR UMBRELLAS, EXPECTING ONLY A SHOWER



THEN (BELOW) THE HEBREWS MARCH OUT OF EGYPT INTO LAND OF CANAAN



This 1-Minute Test Proves That—
PEPSODENT
 gets your teeth
BRIGHTER BY FAR!

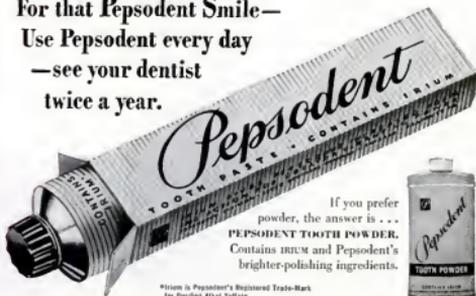


YES,
 BRIGHTER THAN
 THE AVERAGE
 OF ALL OTHER
 LEADING
 TOOTH PASTES
 COMBINED!

MAKE THIS 1-MINUTE TEST, TODAY!

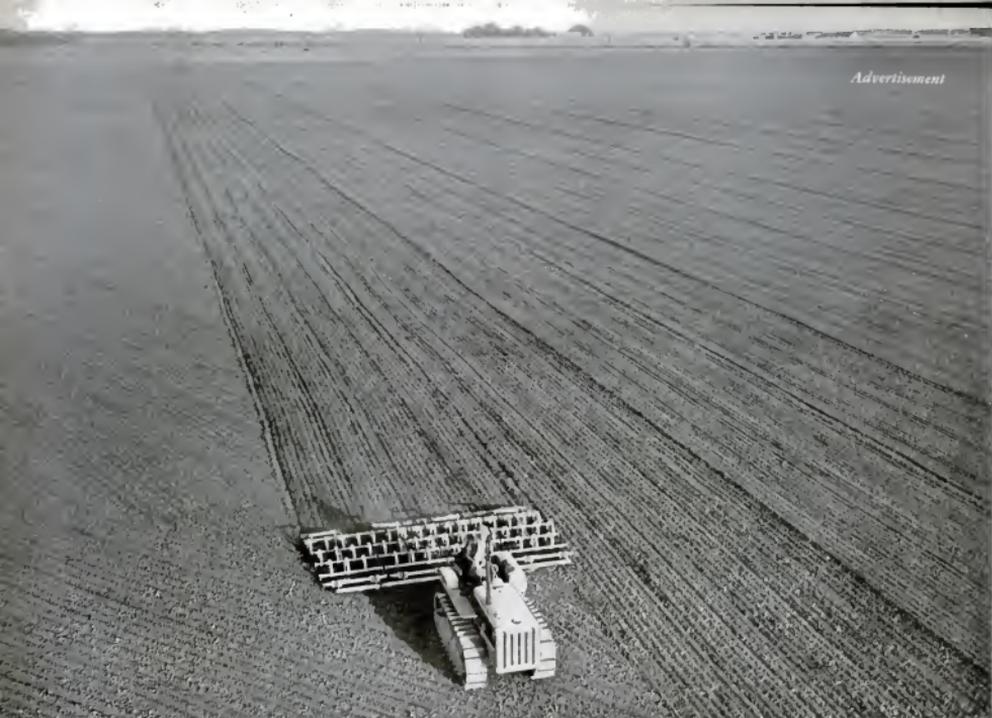
Run your tongue over your teeth. Feel that filmy coating? Now brush with film-removing PEPSODENT for 1 minute. Repeat the tongue test. Notice how much cleaner your teeth feel? Your mirror will show you how much brighter they look! And you reduce decay the sure way when you remove film. Only PEPSODENT with IRIUM* has this film-removing formula. *Brighter teeth are cleaner teeth—less susceptible to decay!*

For that Pepsodent Smile—
 Use Pepsodent every day
 —see your dentist
 twice a year.



If you prefer powder, the answer is . . .
PEPSODENT TOOTH POWDER.
 Contains IRIUM and Pepsodent's
 brighter-polishing ingredients.

*Irium is Pepsodent's Registered Trade-Mark for Purified Alox Sol-Gel.



PULLING A 16-FOOT HARROW with his multi-purpose, diesel oil-burning tractor, William Gialer of Carmarillo, California prepares, in a single day, 40 acres of beanland for

planting. This job would have taken him more than a week with horse-drawn equipment, on America's farms today, 4 men do the work 14 used to do.



TANK TRUCK DRIVER brings fuels and lubricants right to the farm. Oilmen have constantly improved the quality of the petroleum products America uses. For example, 2 gallons of gasoline now do the work 3 did in 1925—although gasoline today is priced about the same.



LETTUCE FARMER blasts leaf worms with new insecticides. Today the average farmer raises enough food to feed 15 people—against 9 in 1920. Also, with oil-powered machinery, he no longer has to use a large part of his land to feed work animals.

Oil Puts Record 178 Million Horsepower To Work On U. S. Farms

The American farmer's all-out food production drive this year is sparked by the world's greatest power plant—178 million horsepower* in mechanical energy—twice that of 1940.

This enormous energy, powered by oil, is more than that used in all America's factories combined. It is the big reason why the U. S., with far fewer farm workers, now produces 40% more food than ten years ago.

Meeting the farmer's sharply increased needs for fuels and lubricants is just part of the oilman's service to the farmer. Chemical magic, born of constant petroleum research, provides insecticides, weed killers, fertilizers, tires and rust preventives to further boost the yield per acre.

The oil industry's contribution on the food front is typical of its service to the nation.

In peace or war, America's thousands of privately-managed oil companies provide the public with the finest oil products in the world at the world's lowest prices.

This has come about because free men, competing vigorously over the years, have out-distanced the world in their race to out-distance each other. *The benefits of this competition go to you and the nation.*

*Latest estimates of U. S. Department of Agriculture.

Oil Industry Information Committee
AMERICAN PETROLEUM INSTITUTE, 50 West 50th Street, New York 20, N. Y.

Amateur Big League

SUNDAY PAINTERS SEND THEIR WORK TO COUNTRY'S BIGGEST COMPETITION

Twenty years ago a bus driver or housewife who took to the fields on Sunday armed with palette and easel was a curiosity which bemused strangers. Today the Sunday painters who swarm the countryside and turn kitchens into studios have jumped to a new role of importance in the art world. They are toasted by museums, catered to by art stores, judged respectfully by critics. Thus encouraged, amateurs have become vigorous promoters of their hobby and eager exhibitors. The big league among

amateur competitions is the contest sponsored by *Art News* magazine, which gives prizes for both oils and watercolors. This winter it was deluged by 1,430 painters from every state who, as is shown by examples on the following pages, had painted everything from moonlit fantasies to glimpses of their workshops and neighborhoods. All seemed to have heeded well the most famous of living amateurs, Winston Churchill, who advised them to "splash" into the turpentine, "wallop" into the paint.



AN ENGRAVER
AT HIS TRADE

Every day in New York's Maiden Lane, Hans Feuerhahn (above) works at his solitary, painstaking trade, engraving trophies and medals. For five years he has faced the same buildings, the calendars on his wall, the simple table arrayed with tools. Last summer he took time off to sketch the familiar scene, and for the next four months spent his weekends sitting under a tree at his home in Hicksville, Long Island, meticulously painting the picture at left. It won honorable mention in the amateur competition. As tense and cautious at painting as he is at engraving, Feuerhahn has completed only eight pictures since he took up art in 1945.



A BAKER IN THE HOSPITAL

In 1945 Joseph Kubiak, a Long Island, N.Y. baker, developed tuberculosis and was forced to enter a hospital for a long, slow cure. To pass away the hours, Kubiak got a book on art techniques, set up a makeshift easel on his bed and began to paint. He concocted still lifes of flowers, fruit and Danish pastries, painted the city streets which he could see from his window and did a gallery of portraits of his fellow patients. The man in the picture at the left, which won honorable mention in the *Art News* contest, was catching a noonday nap when Kubiak sketched him. Kubiak took five weeks to finish the painting. Now convalescing at home, Kubiak often manages to paint five hours a day, has produced 60 paintings in the past five years and won three prizes.



A TEACHER IN THE WOODS

The twinkling nocturnal study at right won second prize for watercolors in the contest. It is by 23-year-old Ann Howard, schoolteacher in Oxford, Miss., who painted it last summer after taking a moonlit walk through the moist southern woodlands. Using the kitchen table for an easel, she worked quickly "to catch the mood of the night," finished the painting in an hour. Mrs. Howard, who is the wife of a medical student, took a few art courses in college, now paints almost every night. She seldom makes sketches but takes long walks studying the patterns and shapes of nature. Her aim, she says, is to make people "feel" her paintings, not just look at them.





A HOUSEMAN OUT-OF-DOORS

Off and on for the past 30 years Reed Sligh has been trying his hand at painting. Now 46, he is employed as a butler and houseman in Mount Airy, Pa., but he gets up at five in the morning so he can put in a couple of hours at his easel before he starts working. Last August, while he was taking a holiday in Massachusetts, he came upon a 100-year-old covered bridge in South Lee and spent the next two days sketching it. To get a good view, he perched himself on a ladder and dustily observed the effects of the water as it passed under the bridge so he could "put as much reality" into the picture as possible. Sligh, who had never exhibited before and had learned of the contest through a newspaper notice, won third prize for oils.



A COPY WRITER'S CABBAGES

The first painting attempted by Norman Focht, a copy writer of an advertising agency in Reading, Pa., was a modest still life of flowers and a Bible. His second painting, the one at left, won him honorable mention in the contest. It was done from recollections of the Amish who "stand market" in the towns of Ephrata and New Holland near his home. Though proud of his award, Focht is apologetic because the shelves, he says, "lack depth."



LAWYER ON THE LEFT BANK

Whitney North Seymour Jr. began painting during World War II to escape the boredom and insects of a Pacific island where he was stationed. Now a New York lawyer, he paints mostly when on vacation. The painting at right is one of 80 he completed last summer on a trip to Europe. Seymour sighted the twin houses during a stroll around Paris. Setting up his easel near the Seine, he completed the picture in a few hours, abetted by comments from American tourists, Swiss cyclists and a full-time Parisian kibitzer.





A DENTIST ON THE ROAD

In a ten-cent store 15 years ago, Dr. Arnold Goldwater bought some watercolors and a book telling him how to use them. That purchase turned him into a confirmed painter. Now 71 and still a practicing dentist in New York, he paints every day, though he has switched to oils on the advice of a patient. The road in the picture at right is one of Dr. Goldwater's favorite routes on the way to Greeley, N.Y., where he spends vacations and weekends. He has done a variety of pictures of the route, painting them all from memory in his office during lunchtime. He gives his paintings to patients as wedding presents.



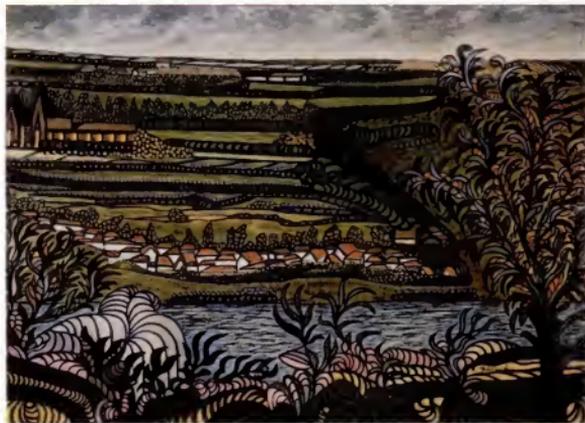
THE PACKER'S PUPPET

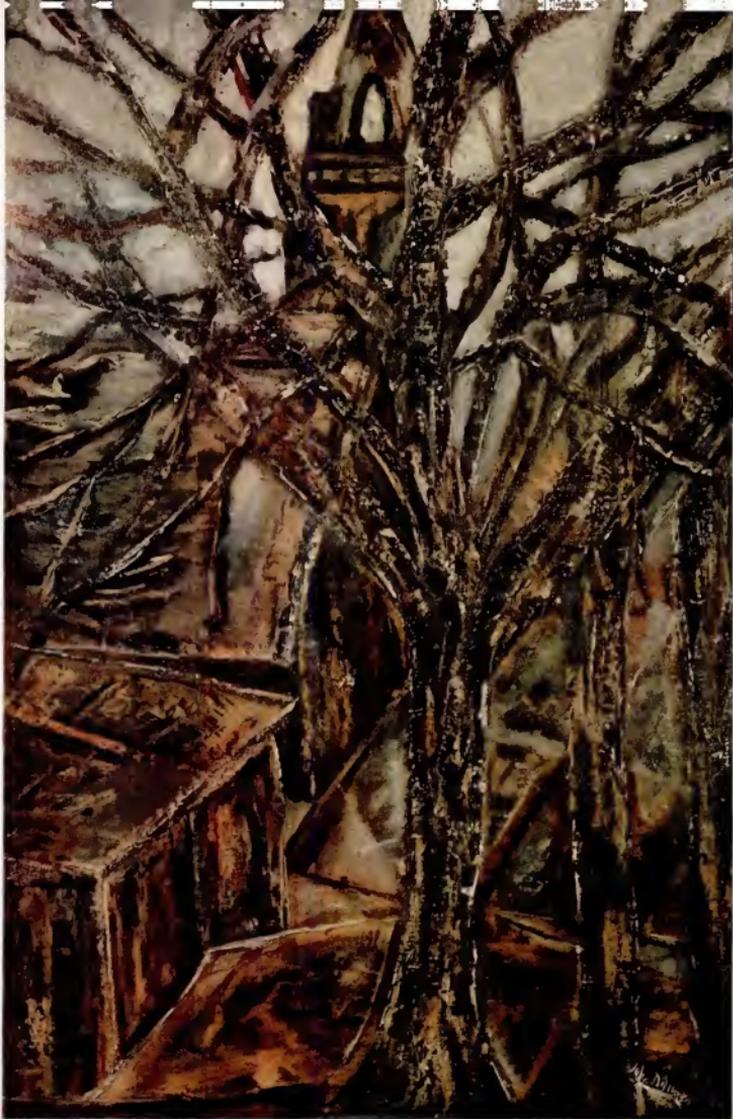
When Pete Lafon began his painting of the marionette at left, he took over the kitchen, set his canvas on the baby's high chair and enlisted his wife as model. He worked on the puppet figure every day for three weeks, in between his jobs as a swimming instructor and a packer in a wholesale drug house in Ogden, Utah. Now he works full time as a packer but paints every night, hopes some day to be a full-time painter.



AN EMBROIDERER'S PATTERNS

Frances Goldreich, a Bronx housewife and grandmother, used to spend her spare moments doing embroidery and decorating furniture. Two years ago she received a set of paints for Christmas and now stays up half the night working at her easel, which has usurped the guest room. All of her paintings are imaginary but are occasionally prompted by memories of Hungary, where she was raised. Many, like the landscape at right, reflect rhythmical designs from needlework. This is one of several she has done based on a serpentine pattern. She has produced more than 60 paintings, but first recognition came when *Art News* awarded her third prize for watercolors.





A HOUSEWIFE ON THE LAWN

First prize for oils in the amateur competition went to Julia DiMaso for her painting of a squalid street scene in Poughkeepsie, N.Y., where she has lived most of her life. Mrs. DiMaso, whose husband runs a dry-cleaning store, has been painting for three years but has to sandwich art in between housework and tending her two children. It took her a year to complete the painting above. She first thought of doing it when, on her way home from shopping, she caught

sight of the bare trees and church steeple silhouetted against a luminous autumn sky. Since the church was only a block from her house, Mrs. DiMaso started the painting on her front lawn. Later she worked on it indoors from memory, trying to emphasize the pattern of the branches, reaching like Gothic arches into the sky. Although she is now drawing from models in a life class, she says that trees are her favorite subject because "they suggest eternity to me."

Shining value for young home-makers

This distinguished silverplate in 52-piece service for 8

\$ 49⁷⁵

Handsome anti-tarnish chest contains 52-piece service, with 16 teaspoons, 8 Contour hollow-handle knives, 8 forks, 8 salad forks, 8 dessert spoons, 2 tablespoons, butter knife, sugar spoon. (Patterns shown in chest is Brookwood)



*Plantation**

*Del Mar**

*Brookwood**



This lovely matching silverware brings such distinction to your table appointments—and at so little cost!

Choose your favorite pattern from the three 1881 (R) Rogers (R) patterns shown at left. All are heavily reinforced with solid silver at wear areas. Exclusive Contour® knife design. Perfect balance and lustrous finish.

Today—arrange with your jeweler to own this silverware on convenient payment terms!

*Trade Mark. © 1931, Oneida Ltd., Oneida, N. Y.

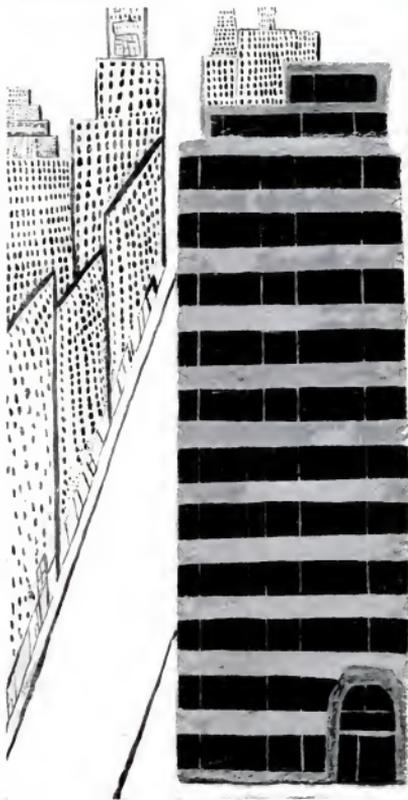
6-piece place setting in an attractive box makes a beautiful gift . . . 2 teaspoons, soup spoon, Contour hollow-handle knife, fork, salad fork. Wonderful buy at \$5⁵⁰



Send for New Etiquette Booklet!

1881 (R) Rogers (R) latest booklet gives you 100 interesting and useful tips on "Good Taste Today*," Please include 10¢. Write to Box A-14, Oneida, N. Y.

AMATEURS CONTINUED



AN ENGINEER'S SKYSCRAPER

For more than 25 years Davis Kraus has been preoccupied with New York City, both below ground and above. Starting out as civil engineer in 1924, he worked on everything from building subways to laying sewers. Later he became a lawyer, working for the city and specializing in contracts covering the use of public property. Five years ago he took up art and before long was painting the city. He did this picture, which won second prize for oils, after seeing a new skyscraper which was going up last summer. To give a three-dimensional effect to the building and emphasize its horizontal design, Kraus attached strips of steel lath to his painting, to represent the structure between the rows of windows. He then covered the metal strips with asbestos cement and painted them a pale green. He declares proudly, "No one has done anything like it."

the invisible "it" - Fit in
**America's Smartest
 Walking Shoes**

- * FASHION you can see!
- * COMFORT you can feel!
- * PRICES you can pay!



Eca



Elsa



Guen

Some ENNA JETTICK Styles
 are made in sizes 1 to 12
 Widths AAAAA to EEE

\$9⁹⁵ to \$12⁹⁵

ENNA JETTICK SHOES, INC.
 AUBURN, N. Y.

THOSE COMFORTABLE
Enna Jetticks
 America's Smartest Walking Shoes

RECALL REMEDIES

- Recall Gypsy Cream, skin lotion, 8oz. 59¢ 2for 60¢
- Recall Banana Cough Syrup, 4 oz. 59¢ 2for 60¢
- Recall Feet Powder, 4 oz. 59¢ 2for 60¢
- Recall Res-Rub, muscle ache relief, 89¢ 2for 90¢
- Aspirin Cough Drops, contain aspirin, 10¢ 2for 11¢
- Recall Menstrual Tabs, APC, 35's 2for 34¢
- Recall Lip Aid Salva, 1/4 oz. 35¢ 2for 36¢
- Recall Toothache Drops, large size 25¢ 2for 26¢
- Recall Cold Sore Lotion, 1/4 oz. 29¢ 2for 30¢
- Recall Sunburn, painless cream remover, 2for 30¢
- Recall Cherry Bark Cough Syrup, 8oz. 79¢ 2for 80¢
- Peppermint, iron & opiate tonic, \$1.25 2for \$1.26
- Iron, Liver & Bone-Muscle Tonic, \$1.25 2for \$1.30
- Anesthetic Liquid, rubbing liniment, 65¢ 2for 66¢
- White Pine & Tar Compound, 8oz. 79¢ 2for 80¢
- Recall Nose Drops, aqueous, 1 oz. 45¢ 2for 46¢
- Gypsy Cream Dintment, soothes skin, 59¢ 2for 60¢
- Recall Purest Milk of Magnesia, pt. 50¢ 2for \$1.14
- Recall Cold Tablets, Special, 30's 29¢ 2for 30¢
- Spring Tabs, sulfur & cream tincture, 40¢ 2for 41¢
- White Pine Tar & Wild Cherry Compound 2for 40¢
- Recall Eye Drops, soothing, cleanse, 35¢ 2for 36¢

MEDICINE CHEST NEEDS

- Cascara Aromatic, fluid extract, 4oz. 85¢ 2for 86¢
- Thiamin Chloride Tablets, Vitamin B1
- 10 mg., 100's \$1.86 2for \$1.99
- Recall Tablets of Camphor, 1/2 oz. 37¢ 2for 38¢
- Recall Aspirin Tabs, 36 in hand tin, 27¢ 2for 28¢
- Tincture Iodine, 1 oz. w/applicator, 79¢ 2for 30¢
- Recall Sore Throat Tablets, 10's 35¢ 2for 36¢
- Recall Ascorbic Acid Tabs, 50 mg., 100's 2for \$1.36
- Recall Ascorbic Acid Tabs, 100 mg., 100's 1for \$2.06
- Recall Flavored Aspirin for children, 1 gr. 2for 30¢
- Recall Marshmallow, 1/4 oz. 25¢ 2for 26¢
- Recall Epsom Salt, medicinal, 4oz. 17¢ 2for 18¢
- Essence Peppermint, 1 oz. 47¢ 2for 48¢
- Recall Tablets Ammonia, aromatic, 1 oz. 2for 30¢
- Cascara Sagrada Tabs, 5 grain 100's 2for 82¢
- Recall Antacid Tablets, 40's 35¢ 2for 36¢
- Recall Little Pills, laxative, 100's 35¢ 2for 36¢
- Recall Lanolin, soothes skin, 1 oz. 27¢ 2for 28¢
- Res-Salve, antiseptic burn salve, 53¢ 2for 54¢
- Recall Baric Acid Solution, 4 oz. 25¢ 2for 26¢
- Recall Alum, Powder or Lump, 4oz. 25¢ 2for 26¢
- Hydrogen Peroxide, bleach, 4oz. 21¢ 2for 22¢
- Recall Prickly Heat Powder, 4oz. 29¢ 2for 30¢
- Recall Hair Restorative Powder, spray or gel, 2for 60¢
- Recall Eye Drops, soothing, cleansing eye wash 59¢ 2for 60¢
- Recall Caster Oil, Aromatic, 5oz. 43¢ 2for 54¢

TOILETRY TIPS

- Helen Cornell Bubble Bath \$1.10 2for \$1.11
- Daily Deodorant Cream, 1 1/2 oz. 49¢ 2for 50¢
- Facial Soap, a favorite, 4oz. 25¢ 2for \$1.26
- Mascara's Hand Cream, almond, pint, 69¢ 2for 70¢
- Mascara's Hand Cream, 6 1/2 oz. jar 59¢ 2for 60¢
- Slipsham Hair Lotion, 5 oz. 59¢ 2for 60¢
- Lavender Cologne, 4 oz. 85¢ 2for 86¢
- Lavender Deodorant Cologne, 4oz. 85¢ 2for 86¢
- Lavender Bath Salts, 13 oz. \$1.10 2for \$1.11
- Violet Carola, beauty cream, 3oz. 85¢ 2for 86¢
- 44847 Talcum, powder tin, 59¢ 2for 60¢
- Daily Deodorant Powder, 4 oz. 49¢ 2for 50¢
- Lavender Soap, box of 6 cakes 75¢ 2for 76¢
- Lanolin Dry Skin Soap, 4 cakes \$1.50 2for \$1.51
- Hazel Hand Lotion, softening, 8oz. 79¢ 2for 80¢
- Lavender Bubble Bath, 20 packs, \$1.10 2for \$1.11

HAIR GROOM BUYS

- Slipsham Shampoo, 8-oz. jar, \$1.50 2for \$1.60
- Maximum Hair Rubber Cream, 79¢ 2for 80¢
- Vanilla Plastic Comb, 4oz. 10¢ 2for 11¢
- Helen Cornell Coconut Oil Shampoo, 79¢ 2for 80¢
- Recall Hair Oil, scented, 4 oz. 29¢ 2for 30¢
- Recall Cream Hair Tonic, 5 oz. 29¢ 2for 30¢
- Recall Coconut Oil Shampoo, 8oz. 29¢ 2for 30¢
- Recall Coconut Baby Pim, 30' 10¢ 2for 11¢
- 44847 Self-Locking Curves, 8 oz. 10¢ 2for 11¢
- 44847 Hair Hair Tonic, Regular, or Bob 10¢ 2for 11¢
- Helen Cornell Wavy-Sat, 8 oz. 60¢ 2for 61¢

DENTAL BARGAINS

- Recall Ammoniated Tooth Powder 43¢ 2for 44¢
- Dental Floss, Acetate Vial, 30 yd. 25¢ 2for 26¢
- Recall Denture Adhesive Powder 59¢ 2for 60¢
- Recall Dentures Plastic, 4oz. 50¢ 2for 51¢
- Recall Denture Adhesive Jelly, 2oz. 60¢ 2for 61¢
- Sodium Perborate, flavored, 4oz. 55¢ 2for 56¢

BUTS FOR BABIES

- Hell's Borester Talc, full pound 50¢ 2for 60¢
- Recall Quik-Swabs, 100 sterile, cotton-lined applicators 27¢ 2for 28¢
- Murphy's Castile Soap, pure, mild, 1/8 lb. 2for 20¢
- Recall Baby Shampoo, high potency Vitamins A, C, D, E, B2, pleasantly flavored, 4oz. \$1.15 2for \$1.16



LAUGH WITH AMOS 'N' ANDY EVERY SUNDAY, 7:30 PM, EST on CBS FOR RECALL

No Faster-Acting Aspirin Made

RECALL ASPIRIN

Taken with water, the 5 full grains of pure aspirin in every tablet are ready to go to work for you even before they reach your stomach. Stock up—they keep for months.

Reg. 54¢ bottle

100 5-grain Tablets **2 FOR 55¢**

THE ALL-PURPOSE ANTISEPTIC

RECALL Mi-31

More than a mouthwash! A gargle, breath deodorant and all-purpose antiseptic that milions rely on. Zippy taste, amber color.

Reg. 79¢

Full Pint **2 FOR 80¢**

TWICE AS MUCH FOR RECALLS

AT RECALL DRUG

SUPER VALUES DURING 1st SALE ONLY

3 1/2-oz. RECALL MILK OF MAGNESIA

3 FOR TOOTH PASTE

Alkalizes as it cleans! \$1.89 value-you save \$1.00.

89¢

READY-TO-USE BANDAGES

Recall QUIK-BANDS

36's Starlike, adhesive-tipped, water-proof. Easy to open. Plain or Mercurochrome.

22¢

Beauty Buy!

Helen Cornell HORMONE CREAM

Super-rich & lubricating... with 10,000 I.U. natural estrogen hormones in every ounce... softens dryness... leaves skin smooth and supple.

Reg. \$1.80 jar

2 for \$1.11

- LIIGETT CHOCOLATE BARS, Jumbo-size, Plain or Almond 19¢
- "8480" LANOLIN SOAP, a beauty treatment in itself, box of 6 cakes 39¢
- LORD BALTIMORE SILVERWING STATIONERY, 60 sheets, 30 envelopes 69¢
- EVERYDAY GREETING CARD ASSORTMENT, 16 beautiful all-occasion cards 59¢
- JANE WINSLOW CANDY KISSES, 14-oz. molasses or salt water taffy 29¢
- TURKISH TOWELS, 18" x 36", white with colorful pattern 3 for \$1.00

CHECK THESE MONEY SAVERS NOT 1st SALE MERCHANDISE BUT EXCEPTIONAL VALUES TOO GOOD TO MISS

Recall Purestest MINERAL OIL

Specially refined for extra-heavy body, tasteless, odorless, colorless... non-habit-forming.

86¢

- Elegant Facial Tissues 300's 2for 43¢
- Mint of Magnesia Tooth Paste 3/4 oz. 2for 56¢

- Elkay's White Sho Polish 6oz. 2for 26¢
- M. & P. Fine Oil Disinfectant pint 2for \$1.10
- Recall Castor Oil, mild action 3oz. 2for 46¢
- Elkay's Insecticide, 5x DDT pint 2for 59¢
- Recall Aca-Rax, plain or compound with phenol, lavender pint 2for \$1.11
- Recall Anagense Balm medium size 2for 56¢
- Recall Hair Brush Combaker, 2 popular styles, nylon bristles Both for \$1.01
- Res-Seltzer, alkalizing tablets, 1 oz. 2for 59¢
- Cascara Comp. Tabs, kinetic, lax. 100's 2for 66¢
- Recall Camphor Oil Ointment, 4 oz. 2for 56¢
- Recall Zinc Dioxide Ointment, 1 oz. tube 2for 26¢
- Recall Berte Acid Dintment, white, 1 oz. 2for 26¢
- Tincture Benzoin Compound 1 oz. 2for 41¢
- Recall Saccharin Tabs, 1/2 gr. 100's 2for 46¢
- Recall Saccharin Tabs, 1/4 gr. 100's 2for 36¢
- Recall Baby Oil, antiseptic, 5 oz. 2for 56¢
- Recall Baby Lotion, antiseptic, 6oz. 2for 58¢
- Recall Baby Cream 2oz. 2for 56¢
- Recall Baby Powder, antiseptic, 4 oz. 2for 36¢
- Adriamne Vaseline Powder Puff 4 1/2" 2for 26¢
- Recall Milk of Magnesia Tablets 36's 2for 26¢
- Coaco Butter Sticks, softens skin, 1/2 oz. 2for 31¢
- Recall Syptic Pencil, jumbo-size 2for 16¢
- Balment Cement, all-purpose household 2for 26¢
- Recall Vanilla Extract 2oz. 2for 56¢

Recall Milk of Magnesia Tooth Powder 2for 46¢

VITAMIN VALUES

Recall PANOVITE

100's Compares the price on capsules which give all vitamins for which minimum daily requirements are established.

2 for \$3.20

Recall Ammoniated TOOTH PASTE

University of Illinois formula. Helps prevent tooth decay. Pleasant after-taste and through cleansing.

61¢

- Recall Bire, Wine & Iron, tonic pint 2for \$1.41
- Lord Baltimore Bridge Cards, single deck 2for 86¢
- Recall Wilcox Hezel, astringent pint 2for 56¢
- Rhazo Nylon Tooth Brushes, assorted 2for 46¢
- Recall Epsom Salt, medicinal pound 2for 41¢
- "50,000" Chocolate Syrup home size 2for 23¢

- Recall Cad Liver Oil, high potency, pt. 2for \$1.41
- Recall ABDG Capsules 100's 2for \$1.66
- Recall Beta-Caps, Vitamin B 100's 2for \$2.11
- Brewer's Yeast Tabs, B-Complex, 100's 2for \$1.4
- 250's 2for \$1.81
- Recall Polycaps, child's multi-vitamins, 2for \$2.01
- Recall Perocid, A & D vitamins, 110's 2for \$1.81
- Recall AAD Tablets, child's 100's 2for \$1.21
- Recall Yeast & Iron Tablets 100's 2for 76¢
- Recall Healthful Liver Oil Capsules, 50's 2for \$1.20
- Recall Thiamin Chloride Tablets, 5 mg., 100's 2for \$1.11
- Recall Panoplex, high potency B-Complex Capsules 100's 2for \$4.81

YOU CAN DEPEND ON ANY DRUG

REXALL PURETEST RUBBING ALCOHOL

Cooling, soothing, invigorating... helps relieve lameness and stiffness of sore muscles due to over-exertion... reduces body temperature... helps prevent excessive perspiration.

Reg. 79¢ Pint
2 FOR 80¢

LORD BALTIMORE LINEN POUND PAPER

Here's stationery that gives your correspondence style and elegance. 50 white single flat sheets of exquisite linen pound paper.

50 Sheets Reg. 75¢ **2 FOR 76¢**
50 MATCHING ENVELOPES
Reg. 75¢ **2 FOR 76¢**

Lavender Mentholated SHAVE CREAM

BRUSHLESS OR LATHER

Sets up whiskers for quick, close, comfortable shaving... leaves your face feeling cool and smooth!

Reg. 59¢
3 1/2-oz. tube **2 FOR 60¢**

Sticks better...stays put longer...is less irritating

REXALL PRO-CAP ADHESIVE TAPE

Developed after years of research in leading hospitals and clinics, it's 3 ways better... recommended by doctors everywhere!

1" x 5-yd. roll
Reg. 35¢ **2 FOR 36¢**

A PENNY MORE!

1¢ SALE

STORES EVERYWHERE

SALE DAYS

Wednesday - APRIL 18
Thursday - - - APRIL 19
Friday - - - - APRIL 20
Saturday - - - - APRIL 21

ORDER IN ADVANCE from this ad. Your Rexall Family Druggist will gladly lay away your order, to be picked up anytime during the sale.

REXALL MILK OF MAGNESIA

Mild and Creamy-Smooth

An effective antacid and gentle laxative. Has no unpleasant earthy or gritty taste. Safe for children.

Reg. 39¢ pint
2 FOR 40¢

Tongy...Ruby-Red... Refreshing

Rexall KLENZO MOUTHWASH

Cinnamon-flavored and antiseptic. It destroys contacted germs almost instantly... leaves a happy after-taste.

Reg. 79¢ pint
2 FOR 80¢

- ADRIENNE BEAUTY AIDS**
- Bath Powder, 7½ oz. \$1.25 2 for \$1.26
 - Lipsticks, fashion-smart 85¢ 2 for 86¢
 - Face Powder, 5 flattening shades 85¢ 2 for 86¢
 - Cologne, sulfate, 4 oz. \$1.25 2 for \$1.26
 - Cold or Cleansing Cream 85¢ 2 for 86¢
 - Rubbing Perf., 3¼ 15¢ 2 for 16¢
 - Bath Salts, 12 oz. \$1.10 2 for \$1.11

- STATIONERY SAVINGS**
- Lord Baltimore, 24 flat sheets, 24 env. 2 for 86¢
 - Lord Baltimore Rayflax, 24 large flat sheets with 24 matching envelopes \$1.00 2 for \$1.01
 - Wedgewood Envelopes, legal size 15¢ 2 for 16¢
 - Cascade Jelly Notes, 20 notes, 20 env., 50¢ 2 for \$1.16
 - Gold Floral Notes, 12 notes, 12 envs., 50¢ 2 for \$1.16
 - Lord Baltimore Humorous Everyday Greeting Cards, 15 cards, 15 env., \$1.00 2 for \$1.01
 - Charming Letters and Notes, 48 sheets, 24 envelopes \$1.25 2 for \$1.26
 - Medford Tablets, plain or ruled 10¢ 2 for \$1.14
 - Lord Baltimore Rayflax, 30 typed sheets, 30 matching envelopes, \$1.25 2 for \$1.26
 - Lead Pencils, Old Colony 5¢ 2 for 6¢
 - Varsity Filler Paper, 2 or 3 hole 10¢ 2 for 11¢
 - Engraved Internals, 12 notes & envs. 50¢ 2 for \$1.16
 - Lord Baltimore Mechanical Pencil 50¢ 2 for \$1.16
 - Lord Baltimore Fountain Pen, 14 K, gold plated barrel \$1.00 2 for \$1.01
 - Belmont Ball Point Pen, even flow, \$1 2 for \$1.01

- EVERYDAY NEEDS**
- Trim-Tite Shoe Laces, assorted colors, 10c 2 for 11c
 - Klenzo Nail File, 6 inch 19¢ 2 for 20¢
 - Klenzo Hand Brush, plastic back, nylon bristles 50¢ 2 for 51¢
 - Klenzo Tweezers, assorted styles 19¢ 2 for 20¢
 - Vaseline Green Soap, 8 oz. 65¢ 2 for 66¢
 - Wicksteins Household Detergent, 6oz. 5¢ 2 for 66¢
 - Insect Repellent Liquid, w/ #482, 5oz. 2 for 66¢
 - No. 6 Disinfectant, for use as household disinfectant, pint 84¢ 2 for 85¢
 - Floor-Brite Wax, liquid, 16 oz. 59¢ 2 for 60¢
 - Insecticide Powder, w/ 10x DDT, 4oz. 39¢ 2 for 40¢
 - Chap's Klenzo-Ant-Spot Remover, 4oz. 29¢ 2 for 30¢
 - Melted Fame Crystals, full pound 79¢ 2 for 80¢
 - Saccharin Tabs, 5¢ gr., 1,000's \$1.26 2 for \$1.27
 - Yerk Mew's and Ladies' Millboards, favorite styles \$1.00 2 for \$1.09

- SHAVING SAVINGS**
- Lavender After-Shave Lotion, 4 oz. 85¢ 2 for 86¢
 - 5 Shag Razor Blades, single & double 25¢ 2 for 26¢
 - Razall Stay Gum, after-shave, pint 59¢ 2 for 60¢
 - Lavender Shaving Bowl \$1.10 2 for \$1.11
 - Razall Shaving Lotion, 5 oz. 49¢ 2 for 50¢
 - Razall Shaving Cream 39¢ 2 for 40¢

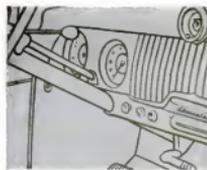
- REXALL ALCO-REX RUBBING ALCOHOL, pint, 59¢ **2 for 60¢**
- REXALL PETROFOL MINERAL OIL, pint . . . 59¢ **2 for 60¢**
- VICTORIA HOT WATER BOTTLE, 2-quart, \$2.39 **2 for \$2.40**
- VICTORIA FOUNTAIN SYRINGE, 2-quart . \$2.75 **2 for \$2.76**
- REXALL STORK NURSER, 8-oz. guard-cap . . . 35¢ **2 for 36¢**
- REXALL FUNGI-REX, greaseless, for Athlete's Foot . . . **2 for 64¢**
- ENVELOPES, Medford, white, 6 1/2", 18" 10¢ **2 for 11¢**
- REXALL THEATRICAL COLD CREAM, lb., \$1 **2 for \$1.01**
- LAVENDER BATH POWDER, 9-oz. \$1.10 **2 for \$1.11**
- REXALL HYDROGEN PEROXIDE, USP 3%, pint, 45¢ **2 for 46¢**
- REXALL BORIC ACID, powder or crystal, 4-oz. **2 for 34¢**
- OLIVE OIL, imported, 12-oz. \$1.35 **2 for \$1.36**
- REXALL SACCHARIN TABLETS, ¼-gr., 1,000's, \$1.08 **2 for \$1.09**
- MEN'S & LADIES' SUN GLASSES, assorted . 98¢ **2 for 99¢**
- GLYCERIN SUPPOSITORIES, adult or infant . . 43¢ **2 for 44¢**



Prices listed in this advertisement that refer to size or value represent the manufacturer's suggested full retail price. Cosmetic items are subject to Federal Tax. All prices subject to change without notice. Right reserved to limit quantities. Prices, items and dates may vary slightly in Canada. Rexall Drug Co., Los Angeles 48, California.

PRODUCT THAT BEARS THE NAME REXALL

Its deep-down quality stands out in every detail!



Check the Control Panel!



Test the Brakes!



Look Down the Road!

Look it over . . .
try it out . . .
put it through its paces.
This big and beautiful '51 Chevrolet
tells its own true story of *quality*
in every detail and feature.

You *see* quality
in the new Safety-Sight instrument panel
with shielded instrument lights.

You *feel* quality
in the powerful new Jumbo-Drum brakes,
biggest in the low-price field,
and up to 25% easier to operate.

You *enjoy* quality
in the solid, road-lugging ride
of Chevrolet's unitized Kneec-Action.

There's more, much more,
and you'll want to make it *yours*:
pace-setting beauty of Body by Fisher . . .
money-saving power of Valve-in-Head engine . . .
luxurious interiors with two-tone fabric . . .
the big, curved windshield that lets you *see* more.

Every satisfying mile of driving pleasure
convinces you of this fact—

More deep-down quality in Chevrolet
than in any other low-priced car.
Yet, the Chevrolet line costs least of all!

See your Chevrolet dealer soon.

Chevrolet Motor Division,
General Motors Corporation, Detroit 2, Mich.

MORE PEOPLE BUY CHEVROLETS THAN ANY OTHER CAR!

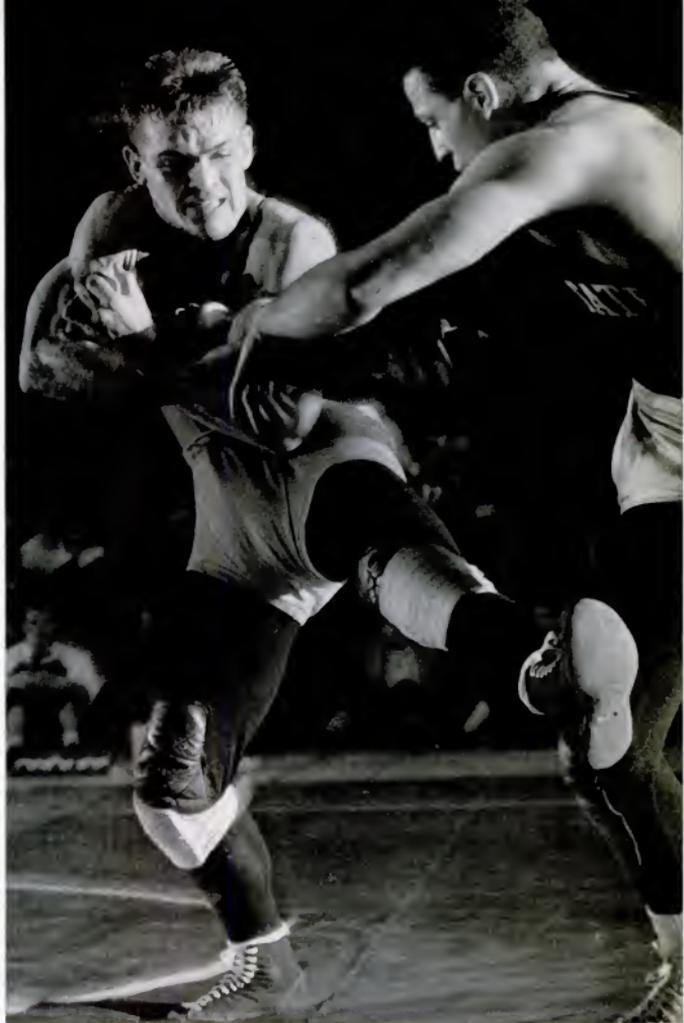


The Stripline De Luxe 4-Door Sedan
(Continuation of standard equipment and trim
illustrated in advertisement on availability of motorist.)



AMERICA'S LARGEST AND FINEST LOW-PRICED CAR!

A LEG PICKUP is used by Oklahoma A. & M.'s Grover Rains (left) to spill Penn State's Mike Rubano. Rains won match and 177-lb. title.



REAL GRUNTS AND GROANS



HEAVYWEIGHTS BUMP as they close in and maneuver for hold. Bouts start in standing position.

Collegians wrestle their hearts out as Oklahoma team wins again

The expressions on the faces of wrestlers in the Lehigh University gym were sometimes more theatrical than those of the pros who each might die a thousand carefully rehearsed deaths for TV fans. But, like their grunts and groans, the expressions were genuine. In the gym 133 wrestlers from 46 colleges were giving their all in the intercollegiate championships. After 132 bouts in eight weight classes, the championship was won, as it has been for 16 of the past 23 years, by an Oklahoma team. This time Oklahoma University nosed out Oklahoma A. & M.

Oklahoma's domination is due to no tricks or new holds. There has been almost nothing new in legitimate wrestling in 4,000 years. "Every time somebody thinks he's found something," says a coach, "he looks back in some Egyptian tomb and there it is painted on the wall." The Oklahoma success formula is a farm system of 16 high schools that keeps feeding talent well-grounded in fundamentals. College wrestlers have only contempt for pros, and coaches insist that a top college heavyweight could lick any pro in a match held under college rules.

Shoes for

MEN

Roblee®

Men (He-Men) usually get their own way, particularly when it comes to putting a good easy pair of shoes on their feet. This leads them to Roblee—the Man's Shoe—the all-Man's Shoe. Take this ventilated Roblee, for example.

Looks, fit, wear and comfort all wrapped up to get the high sign from a real man.

Get acquainted with your Roblee store — and Shoes for MEN.

1195 to 1695

Some styles slightly higher. Also Roblee Jr. shoes like dad's... at Roblee dealers now — 8.95-10.95



Plenty of "man" and plenty of cool in this leather-light ventilated oxford of rich tan leather from the heart of top-grain hides. Ask for Roblee's style B107. Roblee Division, Brown Shoe Company, St. Louis.

Wrestlers CONTINUED



130 POUND SEMIFINALS show the meet's outstanding wrestler, Walter Romanowski of Cornell (Iowa), in trouble (on bottom, foreground). But he won.



NEAR-PIN, counting two points in scoring, puts horrified look on face of St. Ambrose's John Campbell. He lost the decision to Don Maurey of Penn State.

LOCK STEP is performed by straining 137-pounders, Oklahoma A. & M.'s Layman (in bondage) pinned his opponent and later won his class championship.



A. Zippo Leather-Crafted. Genuine leather cases in four smart colors. Calf or Morocco. \$5.50.

B. Zippo Town and Country. Choice of 8 designs, engraved and inlaid in permanent ceramic colors. \$7.50.

C. Zippo Engine Turned. Rich, delicate design on gleaming chrome-plate. \$5.00.

Personalizing on all Zippo Lighters, only \$1 extra. Ask your dealer or write Zippo for FREE catalog showing many other models, with prices.

*Prices slightly higher in Canada

HAVE A LIGHT anywhere, anytime . . . *the first time*, with Zippo! It's the dependable lighter that never fails, even in wind or rain. And, Zippo offers you *free* mechanical repair service. No one has ever paid a cent to repair a Zippo! See these and other beautiful Zippo models at your dealer's . . . priced from \$3 to \$210*. For best results, always use Zippo Flints and Fluid.

ZIPPO
the one-zip
windproof lighter

©1951 ZIPPO MANUFACTURING COMPANY, Bradford, Pa.
Zippo Mfg. Co. Canada Ltd., Niagara Falls, Ont.

FLEISCHMANN'S GIN



*Makes America's
Most Delicious Gin
Drinks*



Because

...It's the Gin that gives you all 4

- ☆ QUALITY
- ☆ SMOOTHNESS
- ☆ TASTE
- ☆ MIXABILITY

*FIRST GIN DISTILLED IN AMERICA - DISTILLED FROM AMERICAN GRAIN - 50 PROOF.
THE FLEISCHMANN DISTILLING CORPORATION, PEESKILL, N. Y.

Wrestlers CONTINUED

MOST BOUTS ARE WON ON POINTS



AN ESCAPE, counting one point, is started by Tony Gizoni of Waynesburg College (in black) during 123-pound final match against Oklahoma's Bill Borders. Since pins are infrequent most college bouts are decided on point basis.



A TAKEDOWN by Borders dumps Gizoni to the mat and gives him two points. Referee decides points during a match. Each bout is divided into three three-minute periods. Like a knockout in boxing, a pin is decisive, ends match.



A REVERSAL counts two points for Gizoni who breaks Borders' hold and establishes control. Gizoni, the defending champion, was trailing Borders on points, 3-6, when he began comeback. He squeezed through to keep his title, 7-6.

CONTINUED ON PAGE 24



Everybody knows the sign of good coffee



WONDERFUL
IN INSTANT
FORM, TOO!

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Wrestlers CONTINUED

BLIND WRESTLER WINS A BOUT



BOUT BEGINS after Columbia's Gene Manfrini (left), 21, blind since age of two, is led to circle and waits for Auburn's Robin Baker to make contact.



IN ACTION Manfrini's highly developed sense of balance helps compensate for his handicap. At Columbia he is a junior studying piano and console organ.



WINNER MANFRINI is congratulated by Baker after consolation bout. He had lost regular match to Iowa Teachers' Keith Young, 147-pound champ.



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AT BRIEFING FOR BATTLE, General Bradley explains First Army plans to the war correspondents. Standing (left to right) are Major Chester B. Hansen, the general's aide; the late H. R. Knickerbocker; Will Lang of LIFE; Clark Leo of

International News Service; Don Whitehead of Associated Press, and Charles C. Wertenbaker, TIME-LIFE chief military correspondent. Seated are the late Ernie Pyle, Hal Boyle of Associated Press and A. J. Lieblich of *The New Yorker*.

THE WAR AMERICA FOUGHT: PART II

Beachhead to Breakout

As the Allied armies battle their way into France, Generals Patton and Montgomery start a famous feud

by GENERAL OF THE ARMY OMAR N. BRADLEY

ILLUSTRATED BY BILL MAULDIN

THE clanking bell outside my cabin called the crew to battle stations. It was 3:35 a.m. of D-day—June 6, 1944. Since the night before, the Allied invasion force had been moving, dark and silent, through the Channel waters toward the coast of France. I reached for my helmet, scrambled into a Mae West and hurried to the bridge of the cruiser *Augusta* to join Rear Admiral Alan G. Kirk. The moon hung misted in an overcast sky and the wind lashed the Channel. Off in the Cotentin Peninsula, almost 30 miles to the west, both of our airborne divisions had already been dropped. In its headquarters near the ancient city of Le Mans, 80 miles behind the Normandy beaches, the GERMAN Seventh Army flashed an invasion alarm. But in the comfortable villa that Eisenhower was later to occupy in St. Germain near Paris, Field Marshal Karl von Rundstedt deferred judgment. The enemy prided himself on the knowledge by which he had discerned our "intentions." He believed the airborne drop a diversion preparatory to a main Allied attack against the Pas de Calais.

A faraway roar echoed across the Channel, and off our starboard low orange fires ignited the sky as more than 1,000 R.A.F. bombers swarmed over the French coastline from the Seine to Cherbourg. An enemy AA battery stabbed blindly through the night. A shower of sparks splintered the darkness and a ribbon of fire peeled out of the sky as a stricken bomber plunged toward the *Augusta*. It leveled off, banked around our stern and exploded into the Channel. By 5:30, first light had diluted the darkness and three Spit whistled by overhead, the first I had seen of our air umbrella. High above the overcast, relays of American fighters formed a second layer of air cover.

At 5:47 a message appeared on the G-2 journal. Fifteen German E-boats had left the harbor at Cherbourg to engage our fleet. Fifteen E-boats against our armada!

The *Augusta's* eight-inch turrets were turned toward the shore. We plugged our ears with cotton. At 5:50 the ship shuddered as it opened fire upon its predestinated targets along the beach defenses. The salvo coasted over the armada and we followed the pinpoints of fire as they plunged down toward the shore. The targets had been painstakingly picked from thousands of aerial photos, by which each gun, trench and pillbox was sited on a detailed map.

As the morning lengthened, my worries deepened over the alarming and fragmentary reports we picked up on the Navy radio net. From these messages we could piece together only an incoherent account of sinkings, swappings, heavy enemy fire and chaos on the beaches. By 8:30 the two assault regimental combat teams on Omaha had expected to break through the water-s-edge defenses and force their way inland to where a road paralleled the coastline a mile behind the beaches. Yet by 8:30, V Corps had not yet confirmed news of the landing. We fought off our fears, attributing the delay to a jam-up in communications. It was almost 10 before the first report came in from Major General Leonard T. Gerow, commander of V Corps. Like the fragments we had already picked up, his message was laconic, neither conclusive nor reassuring: "Obstacles mined, progress slow. . . ."

Aboard the U.S.S. *Ancon*, Gerow and Major General Clarence R. Huebner, commander of the 1st Division, clung to their radios as helplessly as I. There was little else they could do. For at the moment they had no more control than I of the battle on the beaches. Though we could see it dimly through the haze and hear the echo of its guns, the battle belonged that morning to the thin, wet line of khaki that dragged itself ashore on the Channel coast of France.

A clash of crack divisions

NOT until noon did a radio from Gerow offer a clue to the trouble we had run into on Omaha Beach. In place of the ragtag troops we had expected to find there, the assault unexpectedly had run head-on into one of Rommel's tough field divisions.

In planning the assault originally, we had counted upon a thin enemy crust of static divisions between Caen and Cherbourg. Rommel was known to have concentrated his better reserves behind the beach. Among them was the 352nd Division which had been assembled at St. L6.

Just before boarding the *Augusta* in Plymouth harbor, G-2 learned that the 352nd had been moved from St. L6 to the assault beaches for a defense exercise. Intelligence promptly forwarded this information to V Corps and the 1st Division but was unable to give it to the troops already "sealed" aboard their craft.

Had a less experienced division than the 1st Infantry stumbled into this crack resistance, it might easily have been thrown back into the Channel. Unjust though it was, in view of the 1st's long and valiant service in Africa and Sicily, my choice of this division to spearhead the invasion probably saved us Omaha Beach and a catastrophe on the landing.

Although the deadlock had been broken several hours sooner, it was almost 1:30 p.m. when V Corps relieved our fears aboard the *Augusta* with the terse message: "Troops formerly pinned down on beaches Easy Red, Easy Green, Fox Red advancing up heights behind beach."

Omaha had squeezed through a crisis, but she was still on the danger list. With insufficient artillery and tanks, we might easily be dislodged from our precarious footing and thrown back into the Channel by counterattack. I hurried off to see Gerow and Huebner aboard the *Ancon*.

However desperate the situation, a senior commander must always exude confidence in the presence of his subordinates. For anxiety, topside, can spread like cancer down through the command.

Huebner planned to go in and take shore command of his 1st Division that evening.

"How about you, Gee?" I asked. "When can you move V Corps headquarters ashore?"

"Early in the morning, Brad. We'll have our communications in by then."

"To hell with your communications!" Gerow grinned. "We'll set up on the beach tonight."

WE recognized that if the enemy were able to strengthen his defensive ring around Cherbourg, he might seriously delay our capture of that port for weeks. On June 9, therefore, I told Major General J. Lawton Collins, commander of VII Corps, to hark through the peninsula to the west coast and seal it off before driving north for Cherbourg. The 82nd Airborne Division's bridgehead west of the Merderet river had already cut one third of the way across. But this Cotentin cutoff was not to be started until first we had established ourselves firmly ashore by linking the Omaha and Utah beaches with the capture of Carentan.

By the evening of June 12 a total of 16 Allied divisions had been unloaded in France. Six were British, one Canadian and the other

TEXT CONTINUED ON PAGE 94
ON NEXT PAGES, A BRADLEY ALBUM



OMAR AT 2 IN MISSOURI IN 1895



AT 7, WITH HIS PARENTS, JOHN AND SARAH



IN HIGH SCHOOL OMAR HAD A BASHFUL LOOK

FORMATIVE YEARS: THE ALBUM STORY

In the late spring of 1911 a tall, gawky young man named Omar Bradley was working in the Moberly, Mo. boiler shops of the Wabash Railroad. Just 18 and a year out of high school, Bradley was trying to earn enough money—at 17¢ an hour—to go to college. One evening a friend suggested he try for West Point. Omar said he couldn't afford it. "You don't have to pay to go to West Point, Omar," the friend explained. "The Army pays you while you're there." Thus, out of economic necessity, was born a distinguished military career. Bradley obtained appointment as an alternate by writing to his congressman, passed the entrance exams and reported to the Point on Aug. 1, 1911 after his rival appointee flunked. He did well as a cadet (*left*), played baseball and football, and graduated 44th in the Class of 1915 (a classmate, Dwight D. Eisenhower, was 61st). Second Lieutenant Bradley married his high school sweetheart, Mary Quayle (*upper right*), in 1916. He did not get overseas in World War I. In the '20s the Bradleys spent some time in Hawaii (by this time they had a daughter, Elizabeth), and in 1929 Bradley began a long academic career. He taught at the Fort Benning Infantry School and the Military Academy, and in 1941 was made commandant of the former. With the U.S. at war, promotion speeded up. In February 1942 Bradley was made a major general and given command of the 82nd Infantry Division (*extreme right*). Soon after this he was on his way to Africa and worldwide fame, but, as these photographs from Omar Bradley's personal albums indicate, time and success made few changes in a warm, modest and gentle man.



IN FINAL YEAR AT WEST POINT, BRADLEY WAS A CADET LIEUTENANT



IN 1918 HE PLAYED BASEBALL AND GREW A MUSTACHE



DURING FURLOUGH IN 1913 OMAR TOOK FIANCEE (THIRD FROM LEFT) ON GAY PICNIC



IN 1919 BRADLEY MODELED NEW BATHING SUIT



WITH LITTLE ELIZABETH IN HAWAII IN 1926



WITH GROWN ELIZABETH IN GEORGIA IN 1941



IN 1942 BRADLEY BECAME A MAJOR GENERAL

Beachhead to Breakout

CONTINUED FROM PAGE 91

nine ours. And each of us by now had landed the equivalent of one and a half tank divisions. We had already begun to look beyond the beach to where St. Lô stood on a rocky hill overlooking the Vire Valley. Once a citadel of Charlemagne, the town lay halfway between our invasion coast and the Cotentin west shore. Not only did its tall, bombed church mark the center of a road junction vital to the German, but the town itself straddled a cross-country road that ran from Bayeux behind the Calvados coast near Coutances on the west shore, thus severing the Normandy shoulder from the main body of France. If we were to take St. Lô and drive on down to Coutances, we would not only cut off Cherbourg from Rommel's main forces but we would greatly shorten the Allied line and thus help to speed the concentration of U.S. troops for an early breakout.

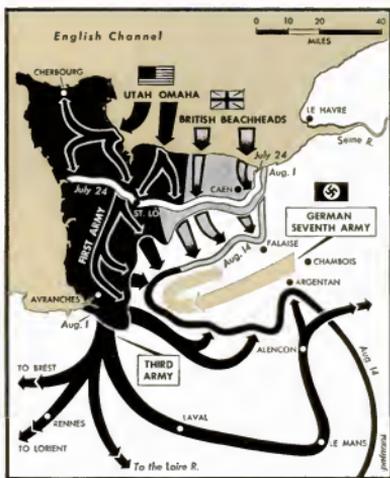
No less aware than we of the strategic importance of that hill town, the enemy had amassed a substantial share of his scarce infantry reserves on that front. But Cherbourg remained our first principal objective and I had no intention of pinning down forces at St. Lô until Cherbourg was safely in hand.

When, on June 9, I issued orders to Collins to cut off the Cotentin at its neck before going on to Cherbourg, he was to assign the 82nd Airborne and 9th Divisions to that mission while the 4th and 90th pushed on abreast toward Cherbourg.

Almost from the moment of its starting attack the 90th became a "problem" division. So exasperating was its performance that at one point the First Army staff gave up and recommended that we break it up for replacements. Instead, we stayed with the division and in the end the 90th became one of the best in the European Theater. In the metamorphosis it demonstrated how swiftly a strong commander can transmute his own strength into a command. But even more than that it proved what we had long contended: that man for man one division is just as good as another—they vary only in the skill and leadership of their commanders.

LATE on the evening of June 17, Collins telephoned to report that the Cotentin Peninsula had been cut. After only 11 days ashore we had joined the beachheads, and Cherbourg was sealed off. There were but nine days to go if we were to take Cherbourg by D plus 20.

During our first month ashore we were seriously handicapped by shortages of ammunition. Part of this difficulty could be ascribed to the severe storm that swept the Channel June 19-22. But not all. Responsibility lay with both the Navy and the Army service commands in England. For, despite their incredible accomplishments in the invasion, both fell down on the significant details that would have made beach unloading far more effective than it was.



THE BREAKOUT of Bradley's forces (black) came on July 27 after they had cut off peninsula. Advancing below St. Lô, Americans swept into Brittany and south to Loire. When Germans (brown arrow) counterattacked, they were repulsed and clamped in pincers between U.S. and British (gray).

In the complex mechanics of supply across a hostile beach, the thousands of tons that are dragged ashore each day must be balanced item for item to fit the on-shore needs. To maintain selective control over the ships we unloaded, we had asked Lieut. General J. C. H. Lee's Services of Supply to deliver by air the



NECKTIE DELIVERY on the beach sardonically symbolizes the difficulties that Bradley had with supply.

cargo manifests of vessels before they arrived. With those manifests, we could regulate unloading and thus prevent faulty overstockage in unneeded items at the expense of a short supply in others. Those manifests, however, failed to arrive, and we were obliged to unload ships irrespective of their cargoes. Soon thousands of tons of unneeded supplies were kicking about on the beach while we starved for the want of a few critical items such as artillery ammunition. We repeatedly appealed to SOS. They replied with promises, but the manifests did not come in time.

The unbalance grew increasingly more critical. I complained directly to Ike [General Dwight D. Eisenhower, the supreme commander, whose headquarters were still in England]. "Someone had better perform," he replied two days later, "or he will be out of a job." The missing manifests came through without further apologies or explanations.

No less provoking was the Navy's reluctance to try out its LSTs on the beach. Although the LST was designed as a flat-bottomed ship for beaching, the Navy objected to running them ashore for fear enemy artillery would pick them off. They preferred instead to anchor those LSTs in deep water and lighter their cargo ashore via the rhino

ferries. Once the beaches were cleared of fire, we urged the Navy to stomach its compunctions, beach its LSTs and halve the time spent in unloading.

The appeal, however, fell on deaf ears, for while our tanks were expendable, ships—in the eyes of some skippers—presumably were not. Not until after the enemy had been rolled back from the beaches did instructions go out to skippers to beach their LSTs.

BY July we had not only taken Cherbourg—the port that was to insure the support of our lodgment—but beach buildup was rapidly swelling the strength of our Allied forces ashore. In the three weeks since D-day, First Army alone had grown mightier than the combined forces of Lieut. General George S. Patton Jr. and General Sir Bernard Law Montgomery in the Sicilian campaign. In addition to the two airborne divisions, now overdue for relief, the blue tabs of 11 U.S. divisions had been taped to the G-3 war map; two were armored, the other nine were infantry.

Our 40-mile front in the U.S. sector started with the bulge at Caumont where Gerow joined the British. It fell back behind St. Lô in an arc that ran through the Carentan marshes before turning across the Cotentin to the west Channel shore. This front was divided into four corps sectors: Gerow's V Corps occupied the "quiet" front on the left. Major General Charles H. Corlett's XIX Corps held the depression behind St. Lô. Collins had shifted his VII Corps from Cherbourg to the east half of the Cotentin neck. And Major

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HOLIDAY "SALUTE" to Germans was fired on Fourth of July. Here General Bradley pulls lanyard of one of 1,100 guns that simultaneously blasted foe.

BRADLEY CONTINUED

General Troy H. Middleton reached across that neck with VIII Corps to the west shore where Manton Eddy had cut the peninsula.

In the British sector, Monty's 40-mile front fell off steeply from Caumont toward Bayeux. It bulged out again into the enemy's line just west of Caen, curved behind that besieged city and arced out into a bridgehead east of the Orne River. Into this narrow British beachhead Monty had crowded four corps totaling 15 divisions, four of them armored.

But even this growing lodgment offered scant footing for our mobile armies. Both Middleton's and Collins' fronts lay half drowned in the rivers and marshlands of the Cotentin neck. And every where the battleground was boxed in by the hedgerows. Only on the British front did this *boogie* thin into undulating plains near Caen. But there the enemy had substituted Panzers for the delaying capabilities of those hedgerows.

Once we had established an all-weather lifeline through the port of Cherbourg, the way was cleared for the Allied offensive that was to be initiated by a breakout. The basic strategy for this attack out of the lodgment had been written into the Overlord plan. France was to be liberated in phases and we now stood at the brink of the first: a swift push from the grassy pasture lands of Normandy to the sleepy banks of the Seine.

While Montgomery held the pivot at Caen, the whole Allied line was to wheel eastward. The momentum for this advance was to be generated by First Army with an assault on its westernmost end of the line. We were to sweep south out of the Cotentin past Avranches and there cut off the Brittany peninsula at its neck. After pausing only long enough to secure Brittany and its choice selection of deep-water ports, the American force were to turn east and, with the right flank on the banks of the Loire, drive to the Seine-Orléans gap south of Paris. The remainder of the Allied line was to pivot and roll eastward to the Seine between Paris and the Channel.

EACH year at noon on the Fourth of July the Army observes the holiday by firing 48 guns in the Salute to the Union. While lunching with Gerow two days before, I had suggested we keep the tradition by firing a live salute into the enemy's lines.

"Just 48 guns?" he smiled.

"No, hell no, Gee. We'll fire every gun in the Army."

Eddie the Cannon—as Colonel Charles Edward Hart, the First Army artilleryman, had been nicknamed—issued an army-wide order that evening for a TOT salute. TOT to an artilleryman means Time-On-Target. Each gun was to be fired with such split-second timing that every shell would explode on the enemy at the exact moment of 12. And each target, Hart instructed his gunners, was to be a remunerative one. At precisely noon on July 4 the startled German darted for cover as 1,100 shells from that many guns exploded in a clap of thunder. It was the largest and most remunerative Salute to the Union the U.S. Army ever fired.

I returned to the army CP on the afternoon of July 4, after yanking the lanyard of a 155, to find that Eisenhower had squeezed into the back seat of Major General Elwood R. Quesada's P-51 for a fighter

CONTINUED ON PAGE 30

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- ★ **Banana Split:** Arrange split banana on serving dish. Add apricot halves, cut-side up. Add Ann Page Preserves. Top with softened cream cheese.
- ★ **Butterfly Cake:** Cut off top of cup cake; hollow out cake; fill with Ann Page Preserves. Cut top in half, place on preserves.

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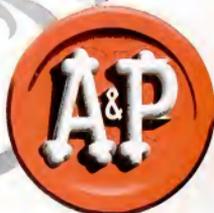
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HOLIDAY ESCAPE by Eisenhower started GIs, generals. He celebrated Fourth by riding over battle as passenger in P-51.

BRADLEY CONTINUED

sweep over the Allied beachhead. They grinned like sheepish schoolboys caught in a watermelon patch. Quesada had been cautioned to stick to the ground in France. He was worth more to us in a swivel chair than in the cockpit of a fighter. And Eisenhower was fearful word of his flight might leak to the newsmen.

"General Marshall," he admitted, "would give me hell."

And I had no doubt but that he would.

WHILE Collins was hoisting his VII Corps flag over Cherbourg, Montgomery was spending his reputation in a bitter siege of the old university city of Caen. For three weeks he had rammed his troops against those Panzer divisions he had deliberately drawn toward that city as part of our Allied strategy of diversion in the Normandy campaign. Although Caen contained an important road junction that Montgomery would eventually need, for the moment its capture was only incidental to his mission. For Monty's primary task was to attract German troops to the British front that we might more easily secure Cherbourg and get into position for the breakout.

While this diversion of Monty's was brilliantly achieved, he nevertheless left himself open to criticism by overemphasizing the importance of his thrust toward Caen. Had he limited himself simply to the containment without making Caen a symbol of it, he would have been credited with success instead of being charged, as he was, with failure.

Monty's irksome if highly valuable period of fighting and waiting ended on July 7, when he launched an all-out attack to finish the tussle at Caen. By July 10 Monty had mopped up enemy resistance. It had taken him 33 days to capture the city he had once hoped to grab on D-day.

A plan called Cobra

MEANWHILE I had been searching our maps for a toehold from which to make the Normandy Breakout—a move destined to become the most decisive battle of the war in Western Europe.

The breakout—the code name for our plan was Cobra—was decisive because it instantly banished any lingering doubt on the outcome of the war. From the rubble heap that marked the ancient citadel of St. Lô, a road ran straight for 20 miles, through the Normandy *Loge* to the town of Périers and beyond to the west shore of the Cotentin neck. This St. Lô-Périers road was to replace the St. Lô-Coutances highway as the line of departure for our breakout. On the Carentan side of that road the marshes gave way to dry ground and beyond it the hedgerows thinned toward the corner of Brittany, 30 miles farther south. A few miles outside St. Lô I marked off a rectangular carpet on the Périers road, 3½ miles wide, 1½ deep. Two principal roads ran south through that carpet together with several unimproved ones.

CONTINUED ON NEXT PAGE

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THE HEDGEROWS on the Cotentin Peninsula were a formidable ally of Germans, who could move about almost unobserved in these natural defenses.

BRADLEY CONTINUED

In this Cobra plan for breakout, the enemy was first to be paralyzed by saturation air bombing of that carpet. Indeed, it was this thought of saturation bombing that attracted me to the Périers road. Easily recognizable from the air, the road described a long straight line that would separate our position from that of the German. *The bombers, I reasoned, could fly parallel to it without danger of mistaking our front line.*

After saturating the carpet with air, we would crash through with two infantry divisions: one on the right to hold open that shoulder, another on the left with its flank on the Virre south of St. Lô. As soon as those shoulders were secured, a motorized infantry and two armored divisions would lunge through that hole in the line. The motorized infantry would push on to Coutances, 15 miles southwest, in hopes of bagging remnants of seven German divisions blocking Middleton on his front. Meanwhile the armor would dash toward Avranches and turn the corner into Brittany.

AFTER dinner on the evening of July 20, I rode up the Colombières road to the farmhouse where First Army billeted its newsmen. The Publicity and Psychological Warfare section had asked that I give them a preview on the scheme of the coming attack. After grouching through two dull weeks in the Carentan marshes, the newsmen had brightened slightly on July 18 when Corlett finally broke through the last few miles to take the mound of rubble that once was St. Lô. At the close of the briefing one of the newsmen pointed to Coutances on the map, almost 20 miles southwest of St. Lô.

"How soon do you expect to get there *this time*?" he asked good-naturedly.

I winced at the reference to an earlier failure and chose to take a flier. "I'd guess 48 hours."

My questioner, startled, looked up from his notes.

"Forty-eight hours for 20 miles?" I nodded, though with a tinge of apprehension, remembering that during the last two weeks we had seldom advanced more than 500 yards a day.

One week later I was told I had failed in my gues by seven hours and 4,000 yards.

DESPITE a prediction of clear weather for July 24, the morning dawned wet and cloudy. Shortly before 11-hour for the heavy bombers, a radio signal instructed them to turn back. The attack was to be postponed 24 hours: It was not until I had returned to my army CP that I was told a box of heavens had crossed the coast and tripped its bombs through the cloud cover. They had fallen short on the 30th Division, nearly a mile behind the carpet.

"Short?" I cried. "But how could they? These bombers were to come in on the Périers road *parallel* to our lines."

"That's not the way they came in, sir," G-3 replied. "They came in on a perpendicular course." Air Chief Marshal Sir Trafford Leigh-Mallory, commanding the Allied Expeditionary Air Force, arrived at the CP a few minutes after. He promised to check immediately with the Eighth Air Force on the direction of air attack.

It was not until 11:30 that evening that Leigh-Mallory called back. "I've checked this thing with the Eighth," the air marshal said, "and they tell me the course they flew today was not accidental. They're planning to make it a perpendicular approach over the heads of your troops."

"But why," I asked, "when they specifically promised us they would fly parallel to the Périers road? That road was one of the reasons we picked this spot for the breakout."

The planners, Leigh-Mallory replied, had indicated it would take better than 2½ hours to funnel 1,500 heavy bombers down a narrow path parallel to the Périers road. "If you insist on that approach," he added, "they tell me they can't make the attack tomorrow."

I was shocked and angered by air's reply, for to me it represented a serious breach of good faith in planning. Five days before, I had left a conference with the understanding that air would follow the road. Annoyed though I was by this duplicity, I had no choice but to consent to the attack or delay it indefinitely. We had already tipped our hand and could not delay much longer without giving our intentions away.

When I told Quesada, chief of the IX Tactical Air Command, of this change in the air plan, he looked no less startled than I. Quesada radioed Lieut. General Lewis H. Brereton, commander of the Ninth Air Force, for an explanation. Brereton did not mince his reply. Yes, that was the plan, he said, and Bradley had been told of it. Brereton must have been misinformed by his staff. I knew nothing of the change until Leigh-Mallory called, 11 hours after the first bombing.

All morning long on July 25 the air throbbled with heavy bombers while I fidgeted in Collins' CP within easy reach of the telephone. The thunder had scarcely rolled away when casualty reports began trickling in. One of my staff handed me a TWX. "They've done it again," he said.

"Oh, Christ," I cried, "not another short drop?" He nodded and sifted the messages he still held in his hand. Air had hit the 9th and 30th Divisions a punishing blow. Later that afternoon Collins called to report that Lieut. General Lesley J. McNair, commander of U.S. Army Ground Forces, had been killed in the short bombing. He had joined a battalion as an observer, to view the results of his stateside training program. A direct hit on his foxhole had killed him.

Two days later Brereton was to declare that Cobra owed its slow start to the sluggish getaway of our troops on the ground. He neglected to add that the delay had been caused by the removal of those American dead and wounded air had strewn in our way.

AS Collins struggled toward the bomb-pitted carpet at St. Lô on that jittery afternoon of July 25, he broke path for an army which, within the week, was to include one French and 20 U.S. divisions. It was as large a force as we dared hitch to a single Army command. For with half again as many divisions as that prescribed in textbooks for a field army, we had begun to stretch the maintenance and overhead services of First Army.

Time for a change

EARLIER in July, Eisenhower had given me authority to split our U.S. forces on the Continent into two field armies whenever I thought it desirable. I would then relinquish First Army to Hodges and step up to full-time command of the 12th U.S. Army Group. With this shuffle, Monty would surrender his temporary role as Allied ground commander and revert to 21st Group as commander of the British armies. Thereafter, as dual army group commanders, we would report on equal footing to SHAEF.

When Ike flew across for our conference on Cobra, July 20, he looked anxiously on the divisional tabs that now crowded the First Army war map and asked when we planned to bring group into the picture. Twelfth Army Group headquarters had come ashore and had gone into bivouac on a stand-by order to await commitment of a second U.S. army. Meanwhile, high up in the Cotentin Peninsula behind Middleton's VIII Corps, Patton had located his Third Army CP after a secret move from England. With him there were three corps headquarters awaiting the assignment of troops and commitment with Third Army.

"Do you want to set a date for the switch-over?" Ike had asked, leaving the choice to me.

I suggested Aug. 1. That would give me at least a week of fingertip control from First Army immediately after the breakout.

"Fine," he said, "we'll count on Aug. 1."

SHAEF censored the news of this change-over in the Allied command until Aug. 14, when a reporter eluded the restriction and filed a story which said that 12th U.S. Army Group had been granted coequal status with that of Monty's command. It was a harmless story that erred only in anticipating by two weeks the full parity that was to come our way once Eisenhower crossed to France. Yet

CONTINUED ON NEXT PAGE

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PENITENT PATTON, fearful the war would end with him still in doughnut, rushed to Bradley bellowing for action when he heard of attempt on Hitler's life.

BRADLEY CONTINUED

the report instantly caused a ruckus in England where U.S. parity in command with Monty's 21st Army Group was viewed by some as a deliberate affront to Britain's war hero. Knowing nothing of the original Overlord agreement for Anglo-American parity in army group command, the British press alleged that Montgomery had been slurred, that his ground command had been undermined by a U.S. bid for "equality." Some writers denounced it as a "demonstration" for Monty and a rebuke to the British people. So misinformed were these editorial comments that I favored a full and prompt explanation of the Anglo-American chain of command.

Eisenhower was irritated by the premature disclosure primarily because the angry British press reaction jeopardized the amity he had cultivated so avidly among the Allied forces. But had he met the issue head-on with an announcement of his plan to provide equality for both the British and American field commanders, he might have avoided this ridiculous fission.

Although we remained aloof from this British press fracas, I was disappointed that Monty did not squelch it. He could have easily enlightened the British newsmen in an off-the-record explanation of our Overlord plans for ground command. At the risk of being unjust to Monty, I could only conclude that he did not wish to.

PATTON had crossed the Channel to France on July 6 with the vanguard of Third Army headquarters. He traveled under tight security wraps, for had the enemy learned of his prospective employment on the heels of the breakout, the hoax we had cultivated on the Pas de Calais would have been given away. We assigned George a bivouac in the Cotentin where he was to await commitment under 12th Army Group on Aug. 1—a week after First Army's breakout.

When news of the attempted assassination of Hitler on July 20 reached Patton in the Cotentin, he bounded down to our CP at Colombières.

"For God's sake, Brad," George pleaded, "you've got to get me into this fight before the war is over. I'm in the doughnut now and I'm apt to die there unless I pull something spectacular to get me out."

The soldier who won the war

I'VE often wondered how much this desire to square himself with the American people prodded Patton in his spectacular race across the face of France. For certainly no other commander could have matched him in reckless haste and boldness. Someday a definitive biography of Patton will go into the issue more exhaustively than I. Until then I shall go on believing that the enlisted man whose face he slapped in a Sicilian hospital ward did more to win the war in Europe than any other soldier in the Army.

JUST as soon as Collins reorganized his line where it had been lacerated by our own bombing, and closed the gap in front of the Périers-St. Lô road, he picked up speed through the smoking carpet. The dejection that had settled over us like a wet fog the day of the jump-off was soon burned off by preliminary reports of the destruction that greeted him there. For though air had pummeled

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THE ST. LÔ "CARPET" area was pitted with bomb craters after the Allied air "saturation" and littered with the bodies of dead horses and dead Germans.

BRADLEY CONTINUED

us, it had pulverized the enemy in the carpet to litter the torn fields and roads with the black hulls of burned-out tanks, the mutilated bodies of soldiers and the carcasses of bloated, stiff-legged cattle. By noon on July 26, a bare 24 hours after the jump-off, we sensed that the initial crisis had passed and that the time had come for bold exploitation of the breakthrough.

On the evening of July 27 the 1st Division broke into the outskirts of Coutances as Middleton picked his way through the mines that had been planted on his Cotentin front. Because VIII Corps was to become part of Patton's Third Army once the latter was committed, I ordered George to trail Middleton's columns and aid in unscrambling them should they become entangled. When on Aug. 1 we split First Army and turned half of it over to Patton, two armored divisions had already rounded the bend at Avranches into the Brittany corner. The speed of our advance had caught the enemy unawares and he was now hastening to retrieve the situation by shifting his armor from Montgomery's front to ours.

AS Middleton's VIII Corps carried Patton's colors around the corner at Avranches to head for the Brittany ports, I ordered George to post a strong force on guard in the center of the Brittany neck. There he could stave off any threat from the east while Middleton's columns raced toward St. Malo, nearest fortress on the Breton north shore. Meanwhile, as the rest of the Allied front executed its turning movement toward the Seine, First Army was to hold open a passage at Avranches against the German armor that swarmed hastily toward that point.

Brittany derived its strategic importance from the original Overlord assumption that we would be forced to regroup on the Seine and there break a strong German position before pushing on to the Reich. Having foreseen that the enemy would destroy Brest before evacuating that port, we planned on developing Quiberon Bay as a logistical base for the U.S. armies. Quiberon Bay stretched between the ports of Lorient and St. Nazaire. To use it we would have to construct unloading docks. At the same time we would also clear the port of St. Malo on the north for the importation of coal required by the French.

Both Lorient and St. Nazaire could be contained until they tired of the siege or ran short on provisions. But Brest would have to be taken if we were to clear the sea lanes that led past it to Quiberon Bay. It is true, however, that Overlord's premise on the need for those Brittany ports was invalidated just as soon as our rapid advance uncovered the Channel ports and Antwerp. For with the capture of Antwerp, one of the largest and best ports in the world, we scratched our ambitious plans for the construction of a base on Quiberon Bay and wrote off Brest as surplus.

Why then did we spend three divisions on Brest at a cost of almost 10,000 in American dead and wounded? Why not rope off Brest as we did Lorient and St. Nazaire—or as Montgomery did the Channel ports? The difference lay in the nature of enemy resistance. For the garrison at Brest was totally unlike those of the other ports. Spiked with troops from the crack 2d Parachute Division, the garrison was commanded by General Hermann Bernhard Ramcke, too aggressive and fanatical a soldier to sit contentedly in that concrete pile. To have contained Ramcke and prevented him from marauding against our lines of supply would have required more troops than we could spare for several months on an inactive front at Brest.

CONTINUED ON NEXT PAGE

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FÜHRER'S DECISION to attack instead of retreat cost Germans the battle of France and dismayed Field Marshal Günther von Kluge, who knew better.

BRADLEY CONTINUED

COBRA had caught the enemy dangerously off balance with six of his eight Panzer divisions concentrated on Montgomery's front. As we splintered the line at St. Lô, the enemy turned to shift his armor toward the breakthrough. But then as Middleton's advance down the Coutances road unhooked the German line from where it reached to the sea on the west Cotentin coast, the enemy suddenly found his left flank tangling loosely and in distress. And now as Patton pointed his tanks toward the Seine-Orléans gap, and Hodges wheeled against the loose end of that enemy line, the German command was faced with a perplexing decision. For it involved the choice as to where he would seek a showdown on the Western front. *Either* he could withdraw that loose left flank, straighten his north-south line and hold it intact for an orderly retreat to the Seine, *or* he could gamble an army by striking for Avranches in an effort to close our gap and peg the loose end of his line back on the sea.

Had this choice been left to the enemy field commanders, they undoubtedly would have chosen to forego the attack in favor of a safe withdrawal across the Seine. They were aware of the vacuum that opened behind them, mindful that disaster on the Normandy coast would break a path all the way to the Reich. And far better than Hitler's yes-men in Berlin, they knew how completely out-classed they were on the Normandy front. But it was characteristic of the Nazi regime that even such fateful field decisions as these be divined by the Führer. Thus from his far-off command post on the Eastern front, Hitler peremptorily ordered Field Marshal Günther von Kluge, commander in chief, West, to stand his ground in Normandy and counterattack near Mortain with the objective of re-establishing his line at Avranches.

At 12:30 a.m. on Aug. 7 the German launched a reckless attack toward Avranches through the 30th Division's position. It was to cost the enemy an army and gain us France. Winston Churchill referred to it six months later as "one of the most daring of the war." When the German first struck, only Major General Leland S. Hobbs' division stood between von Kluge's Panzers and the sea. By noon the attack had grown to menacing proportions and Lieut. General Courtney H. Hodges rushed reinforcements from First Army to Hobbs' aid in an effort to stave off the threatened cave-in. Two infantry divisions closed in on the 30th's left and an armored division skirted around on its right to attack the enemy on his open flank.

On the morning of Aug. 8 I checked with Hodges and found him holding firm. The German had failed to deepen his early penetrations and the attack appeared to have spent its initial momentum. I concluded the hinge would hold, especially if supported by air. G-2 and G-3 concurred.

We needed only the forecast of good weather to strike east and turn against the enemy's open flank. The forecast came in that morning with a promise of clear skies and good hunting for several

CONTINUED ON PAGE 100



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days. I handed the report to Major General Leven C. Allen, chief of staff for 12th Army Group.

"We'll shoot the works," I told him, "and rush east with everything we've got."

The order went out to Patton's Third Army. While Middleton chased the enemy into Brittany, Major General Walton H. Walker's XX Corps was to strike out for the Seine-Orleans gap. At the same time the XV Corps of Major General Wade H. Haislip, now in the vicinity of Le Mans, was to turn north toward the road junction of Argentan and there block the enemy's main route of withdrawal.

Montgomery, who had begun his drive toward the Seine, now decided to join with us in an effort to clamp the German Seventh Army in the jaws of a double pincer movement. While the American forces drove up from the south, Montgomery would drive down from the north through Falaise to cut off the enemy west of that north-south line and destroy his Seventh Army. As field arbiter on boundaries for Ike, Monty became responsible for coordinating the maneuvers of all four Allied armies, Haislip's XV Corps was to form our U.S. pincer on the south, closing north to Argentan.

"We'll go as far as Argentan and hold there," I told Patton. "We've got to be careful we don't run into Monty coming down from Falaise."

In closing his half of the jaw from the north, Monty was to rush his attack down the Caen road through Falaise and 12 miles farther to Argentan. Once Monty had closed that gap from Falaise to Argentan, we would have blocked the enemy's last escape route. But because it would take time to form our trap and close in on the enemy from the south, we clocked him hourly at Mortain, hoping that he would persist long enough in that fruitless attack to give us the time we required to swing around his flank.

On Aug. 11, von Kluge at last conceded that he could no longer comply with Hitler's orders at Mortain. He recommended that the foolhardy attack be abandoned and that the line be withdrawn to the Seine.

Slowdown in the north

MEANWHILE Monty labored on the north with slackening success. After five days of attack he had pushed his Canadian pincer only halfway to Falaise. It was when Haislip reached Argentan on the evening of Aug. 12 he found Monty stalled on the north with an 18-mile gap separating the British and American forces.

Patton telephoned me that evening from his advance command post near Laval.

"We've got elements in Argentan," he reported. "Let me go on to Falaise and we'll drive the British back into the sea for another Dunkirk."

"Nothing doing," I told him, for I was fearful of colliding with Montgomery's forces. "You're not to go beyond Argentan. Just stop where you are and build up on that shoulder. G-2 tells me the German is beginning to pull out. You'd better button up and get ready for him."

Meanwhile, as we waited impatiently for Monty at Argentan, the enemy reinforced that gap. Already the vanguard of Panzers and SS troops was sluing back through it toward the Seine. But instead of redoubling his push to close that leak Monty shifted his main effort against the pocket farther west. Rather than close the trap by capping the leak at Falaise, Monty proceeded to squeeze the enemy out toward the Seine. If Monty's tactics mystified me, they dismayed Eisenhower even more. And near Laval, where a shocked Third Army looked on helplessly as its quarry fled, Patton raged at Montgomery's switch in pressure. George was doubly irritated for having been forbidden to close it himself.

Although Patton might have spun a line across that narrow neck, I doubted his ability to hold it. Seventeen German divisions were now stampeding to escape the trap. Meanwhile, with four divisions, George was already blocking three principal escape routes through Alençon, Sées and Argentan. Had he stretched that line to include Falaise, he would have extended his roadblock a distance of 50 miles. The enemy could not only have broken through, but he might have trampled Patton's position in the onrush. I much preferred a solid shoulder at Argentan to the possibility of a broken neck at Falaise.

Although the enemy's prepared positions on the road to Falaise were undoubtedly thornier than those through which we broke en route to Argentan, I was critical of Montgomery for his failure to close that gap on time. For after having been rebuffed on the Falaise road, he might better have shifted his weight to the east and closed the trap at Chambois—as he was to do one week later, on Aug. 19.

Having concluded several days before that I could not close the Falaise gap without endangering my Argentan shoulder, I was now



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BURGESS BATTERIES



ASTONISHED MONTY almost dropped phone when Bradley told him that Patton had launched attack northeast toward the Seine.

BRADLEY CONTINUED

left with three courses of action: 1) We could hold in position where we were until the pocket was squeezed dry. 2) We could lighten our force on the shoulder, drive 10 miles northeast to Chambois, and there block one more enemy exit route. 3) Or we could leave a part of our force at Argentan to await a juncture with Montgomery's pincer and race east with the remainder to grab a bridgehead across the Seine.

Of all three, the dash to the Seine offered the greatest tactical promise. For if Patton were to secure a bridgehead there, he would have thwarted the enemy's last bright chance for defense of the Seine river line. But by the same token, we would also be taking a chance. For in striking out for the Seine in preference to the Chambois attack, we might make it easier for the enemy to escape that Falaise trap. Normally, destruction of the enemy's army is the first objective of any force. Was a Seine river bridgehead important enough to warrant our rejecting that militarily tenet?

George helped settle my doubts when on Aug. 14 he called to ask that two of Haislip's four divisions on the Argentan shoulder be freed for a dash to the Seine. With that, I brushed aside the first two alternatives and sided with Patton on the third. If Montgomery wants help in closing the gap, I thought, then let him ask us for it. Since there was little likelihood of his asking, we would push on to the east.

Haislip had scarcely started toward that Seine river crossing when Montgomery called to propose that we extend our pincer from Argentan northeast to Chambois. Monty had already diverted his Polish Armored Division toward that objective with a view to closing the trap there.

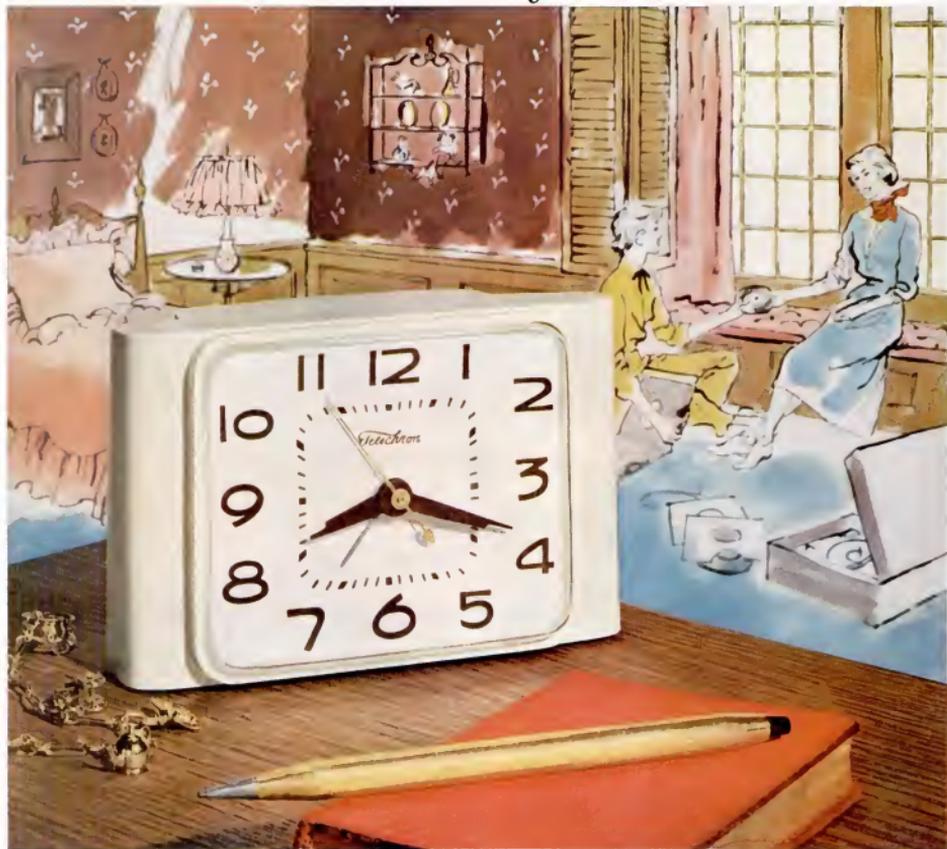
"I agree with you, sir," I told Monty. "We ought to go northeast. In fact I've just sent two divisions northeast—northeast to the Seine."

Monty caught his breath on the other end of the line.

**DANCING TO PARIS,
DYING IN THE SNOW**

In next week's instalment of *The War America Fought* (which will be published in book form June 18 under the title *A Soldier's Story*) General Bradley carries his story forward to the Battle of the Bulge. He tells of difficulties arising from the liberation of Paris, the sweep to the German border and of new differences with Montgomery.

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These are the ingredients for

1



2



3



4



FIVE GREAT SOUPS

5



TO SEE WHAT THEY ARE AND HOW TO SERVE THEM, TURN THE PAGE

1 BORSCH



2 SPLIT PEA



3 ONION



4 MINISTRONE





5 ARTIST-WRITER LUDWIG BEMELMANS,
WHO HAS GOURMET'S TASTE IN SOUP,
CALLS BOULLABAISSE "GREATEST"

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HERE ARE THE RECIPES

The five soups on the preceding pages, like the two others on page 120, are great soups not simply because they taste good but because they have been tested for centuries in many countries and been accepted by connoisseurs and trenchermen alike. They are all honest, hearty soups which, when served with bread and followed by salad or a dessert, make a substantial family meal or even informal party supper. As set down here, the recipes make enough soup for six servings. But when preparing them it is little extra cost or effort to double or triple the necessary ingredients and keep a leftover potful in the refrigerator for later meals. Soup will keep for several weeks on ice. But be sure each time the soup is reheated that it is brought to a vigorous boil or it will turn sour.

1 BORSCH

3 lb. shin bone with meat on it
2 lb. brisket or other soup meat
Medium-size cabbage, finely shredded
2 onions, chopped
1 or 2 cloves garlic
1 large can solid pack tomatoes
or 6 tomatoes
2 large beets, sliced

Juice 6 lemons
3 tablespoons granulated sugar
Half bay leaf, crumpled
4 tablespoons chopped parsley
Pinch paprika
Pinch basil
Salt, celery salt and pepper
½ pint sour cream

Simmer meat and bone for one hour in water which just covers them. Add cabbage, beets, onions, tomatoes, whole garlic, lemon juice, granulated sugar, parsley, basil, bay leaf, paprika, salt and pepper. Simmer gently for four hours until everything is well cooked. Taste after two hours. Add salt, celery salt, pepper to taste and more sugar or lemon juice depending on how sweet or sour the soup is desired. One pint of water (or less) may be added if soup needs thinning. Before serving, remove bone and cut up meat into pieces. Top each individual plateful with large spoonful of sour cream which should be at room temperature (so it won't chill soup). Grind sprinkling of fresh pepper over cream. Serve with rye or pumpernickel bread. (Some people like to serve ½ boiled potato in each plate. A little dill is fine if you have it.)

THE TRICK: Putting in enough lemon juice.

2 SPLIT PEA SOUP

2 cups split peas, soaked for 12 hours
12 cups water
1 ham bone with some ham left on it
or ½ lb. lean salt pork
1 onion, chopped
3 or 4 stalks celery with tops,
chopped or cut up fine
2 carrots, sliced

2 tablespoons butter
1 cup milk
2 cups beef bouillon
5 garlic (Kosher-style)
frankfurters, sliced
Pinch paprika
Fresh-ground pepper
Salt

Drain the peas and put them in a large pot. Add water and the ham bone (or pork). Simmer covered for three hours. Add onion, carrots, celery. Simmer covered for one hour. Put soup through a colander, and remove the fat. Add the frankfurters, milk and beef bouillon. Add melted butter, stir until soup boils. Season with pepper, paprika, salt if required. Simmer gently for 20 minutes so that hot dog flavor permeates soup.

THE TRICK: Having enough ham left on the bone and using garlic frankfurters. (Many people prefer this soup unstrained. If you decide not to remove the ham fat, you need not add extra butter.)

3 ONION SOUP

12 onions, thinly sliced
4 tablespoons bacon fat
(or butter, margarine, olive oil)
1 teaspoon Worcestershire sauce
1 drop Tabasco sauce
1 teaspoon Kitchin Bouquet
French bread, toasted

6 tablespoons freshly grated
Parmesan cheese
14 cups water
20 beef-bouillon cubes or
14 cups homemade beef stock or
canned consommé
Salt and pepper

Fry onions gently in bacon fat until a golden brown. Measure water into a large saucepan, add bouillon cubes. When cubes have dissolved, add the onions, Worcestershire sauce, Tabasco sauce, Kitchin Bouquet. Simmer covered for one hour. Season with pepper and add salt if necessary. Toast slices of French bread, top each slice with Parmesan cheese and slip under the broiler. Top each bowl of soup with a piece of toast, add more Parmesan cheese if desired. THE TRICK: Using plenty of onions.



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SOUPS CONTINUED

4 MINESTRONE

- | | |
|---|--------------------------------------|
| 2 cups white navy beans,
soaked in water for 8 hours | 2 cups tomato pulp (fresh or canned) |
| 1 clove garlic, finely chopped | 2 cups cabbage, coarsely chopped |
| 3 onions, finely chopped | 1 zucchini, thinly sliced |
| 4 tablespoons chopped parsley | 2 cups elbow macaroni |
| ½ cup olive oil | 10 cups water |
| 4 stalks celery, chopped | 2 cups grated Parmesan cheese |
| 4 peppercorns | ¼ teaspoon salt |
| | Fresh-ground pepper |

Drain navy beans. Put in large pot with water, salt, peppercorns. Simmer for about 40 minutes until beans are tender. (If needed, add boiling water while they simmer.) Heat the olive oil in a saucpan and gently fry the garlic, parsley, celery and onions until golden brown. Add tomato pulp, cabbage, more salt and fresh-ground pepper to taste. Bring the mixture to a boil and combine with beans. Cook soup slowly for one hour. About 15 minutes before soup is finished, add zucchini and macaroni. Top with plenty of grated Parmesan cheese.

THE TRICK: Adding macaroni only about 15 minutes before soup is served so that it will not be overcooked and mushy.

5 BOUILLABaisse

This is an elaborate recipe by Louis Diat of the Ritz-Carlton Hotel

- | | |
|--|--|
| 2 lobsters (1¼ to 2 lb. each) | 2 cloves garlic, crushed fine |
| 1 lb. fresh eel | 2 tablespoons chopped parsley |
| 1½ lb. striped bass or 1½ lb. sea bass | ½ teaspoon saffron |
| 2½ to 3 lb. red snapper
or Spanish mackerel
or other firm fish such as pompano | 1 bay leaf |
| 2 dozen cooked shrimp | ½ teaspoon thyme |
| 2 dozen mussels | 2 tablespoons fresh fennel tips
(if obtainable) |
| 2 dozen clams | 4 cups canned tomatoes
(chop and include juice) |
| ½ cup olive oil | 1 tablespoon salt |
| 3 leeks, chopped | ¼ teaspoon pepper |
| ¾ cup chopped onion | French bread cut and sliced
(brushed with garlic and
browned with olive oil) |
| 2 quarts water | |
| 1 large carrot, chopped | |

Cut lobster, eels, bass and mackerel in slices about an inch thick. Scrub mussels and clams very thoroughly. Heat olive oil in saucpan, add leeks, onions and carrot and cook until lightly browned. Add tomatoes, garlic, parsley, saffron, fennel, bay leaf, thyme, salt and pepper. Then add water, lobsters (cut in pieces) and eels and cook 15 minutes. Add bass and mackerel and cook 10 minutes longer. Add cooked shrimp, clams and mussels and continue cooking until their shells open.

Dish up the fish with some of the cooking liquid in deep bowls and serve with French bread slices. These may be plain, rubbed with garlic or fried in olive oil. Serves six to eight.

THE TRICK: Soup gets its distinctive flavor from the saffron. If unobtainable in grocery store, buy in pharmacy.

NOTE: You may substitute frozen or canned seafood and fish; add or subtract seafood according to availability in different vicinities.

ANOTHER BOUILLABaisse

This is a more convenient, less expensive version; all of the ingredients can be kept on hand.

- | | |
|--|--|
| 6 small South African
lobster tails, frozen | 1 tablespoon lemon juice |
| 3 lb. frozen fish fillets
(flounder, sole, haddock, perch
or a combination of 2 or more) | 1 bay leaf |
| ½ cup olive oil | 3 medium-size onions, sliced |
| 1 can whole clams or mussels | 1 carrot, chopped |
| ½ cup frozen or canned shrimp or crabmeat | ½ cup canned pimiento, cut in small pieces |
| 1 can tomatoes | 1 garlic clove, bruised |
| 2 cups water | 1 tablespoon minced parsley
or dried parsley flakes |
| ½ teaspoon saffron | 1 cup white wine |
| | Salt and pepper |
| | Toast made of French bread |

Cook carrot, onions and garlic in olive oil until golden brown. Add fish cut into 3-inch squares, tomatoes, bay leaf and water. Simmer 20 minutes. Add shellfish and lobster tails with shells. Add pimiento and saffron to taste. Season with salt, pepper and lemon juice and add white wine. Heat through. Put toast in soup plate, add bouillabaisse and sprinkle with parsley. Fish may be served from separate dish or all together.

THE TRICK: Again, the saffron.

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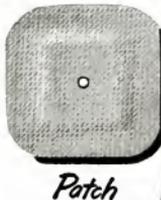
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SOUPS CONTINUED



6 POTATO SOUP

- | | |
|---|--|
| 8 leeks, sliced (use tops as well as white parts) | 2 cups milk |
| 3 Bermuda onions, sliced | 8 cups water |
| 10 large potatoes, peeled and sliced | 8 chicken bouillon cubes or 8 cups homemade chicken stock or canned clear chicken consommé |
| 4 tablespoons butter | 2 to 3 teaspoons salt |
| 2 cups light cream | |

Fry leeks and onions gently in two tablespoons butter until golden brown. Put water in large pot. Add chicken bouillon cubes and simmer until cubes are dissolved. Add potatoes, leeks, onions and salt. Let cook covered 35 to 40 minutes or until potatoes are well done. Rub mixture through a fine sieve, or use a food mill or tamper/blend. Stir in milk and return to saucepan. Add cream and stir until boiling point is reached. Remove from fire. Add two remaining tablespoons butter. Add more salt and pepper to taste and serve with buttered biscuits.

THE THICK: To simmer gently—not boil.

NOTE: If you can't find leeks, use two extra onions; or eight spring onions tops and bottoms, chopped, and a clove of crushed garlic.



7 CHICKEN IN THE POT

- | | |
|---|-------------------------------|
| 2 to 4-pound rooster or hen, whole or cut up as for fricassée | 2 medium-size onions, chopped |
| 12 stalks celery with tops, chopped | 6 carrots, shredded |
| 2 leeks, chopped | 2 bay leaves |
| 6 peppercorns | 6 sprigs parsley |
| 4 quarts water | 1 clove garlic, chopped |
| | Salt and pepper |

Place all ingredients in large, heavy pot with cover. Cook slowly for three hours, or until chicken is tender. Do not allow to cook until meat falls from bones. Allow chicken to cool in stock. Then remove. Skim fat from stock. Remove skin from chicken. Cut white meat and dark meat into long, thin strips. Put back in pot. Heat and serve with buttered corn muffins or French bread. Many families prefer to serve the pieces complete with skin and "on the bone" like stew or fricassée. If leeks are unavailable substitute one chopped Bermuda onion, or two chopped spring onions and one half clove of garlic.

THE THICK: To simmer gently—not boil.

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Tempest in Tinsel Trade

PINS THAT STICK TO BARE SKIN STIR UP FASHION AND LEGAL FUSS

Last week department stores unveiled some scatter pins that adhere to the skin without any visible means of support, and the jewelry trade sat back to await the results. They promise to be interesting from a legal as well as a fashion point of view. Various called Skin Pins, Cling Pins or Magic Pins, the new jewelry is a variation of the old college girl trick of Scotch-taping an orchid to a bare shoulder above a strapless dress.

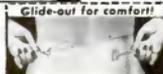
Last fall a designer of expensive jewelry, named Marianne Ostier, announced a secret process that glues diamonds on a sponge base safely to the skin. At diamond prices her jewelry aroused little popular interest. Then the news got around that

some costume-jewelry makers had dreamed up their own adhesive methods. Mrs. Ostier took a *Women's Wear* ad to threaten legal action against unlicensed users of her device. But the new pins came out anyway, and buyer interest (at prices from \$1 to \$10) was lively. The baubles, in star, sunburst, butterfly and heart shapes, are sold with tubes of stickum, which is applied to their flat metal base and allowed to dry several minutes. The pin is clamped firmly to the skin, where it stays put until pulled off, a painless operation. The placement possibilities of the tinsel are numerous. They can be worn Hindu-fashion on the forehead, as earrings, on the ankle and anywhere on the shoulder area.

amazing

waist adjustment
in an instant!

Adjust^{with}eze



With the new patented girdle, ADJUST-EZE, you can actually adjust your waistline perfectly in an instant, from a 1/16" to 3 full inches. The new fingertip control gives you custom-fit at your waistline while gaining or losing.

Now, you can take it in for a narrower waist ... or let it out for a fatter-dinner comfort and new freedom. Try ADJUST-EZE, today.

At leading stores \$6⁹⁸ to \$12⁵⁰

Write Dept. F, for FREE booklet: "A Loveline You", and nearest dealer
EVEN-PUL FOUNDATIONS, INC. • 135 Madison Ave., New York 18
Creators of Even-Pul Bras, Girdles, Foundations



TINSEL TEMPEST CONTINUED



SALES PITCH in Bloomingdale's, New York, is made by demonstrator who is liberally studded with jewels as she shows Cling Pins to skeptical customers.



PATCH TEST is made by a customer who tries cluster in the middle of her forehead. Even severe wrinkling of her brow failed to dislodge its ornament.



SHOULDER PEEL is performed by another customer studying effect of a sunburst pin. Jewelry will be available in the stores nationally later this month.

oh baby!
anti-accident
handi-panti trunks and toppers

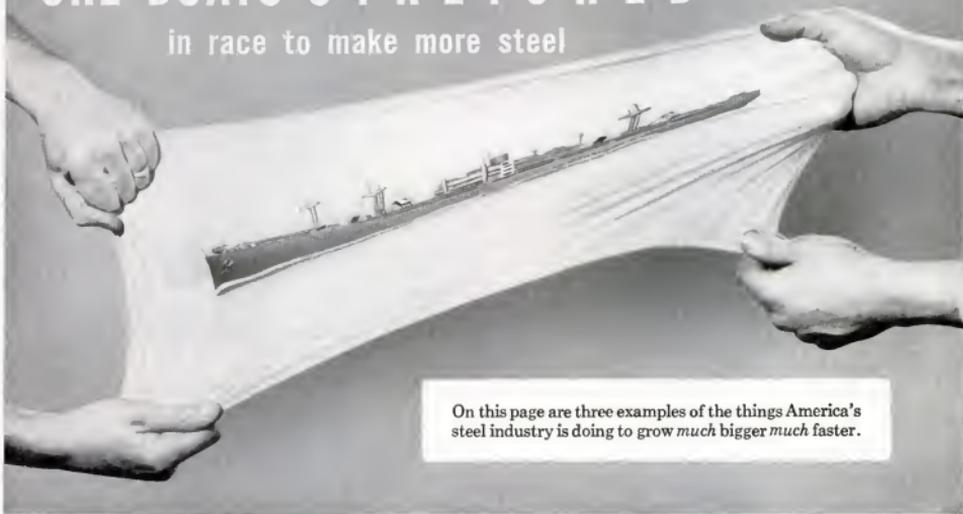
Alexis brings you a dress-up "handi-panti" ... smart enough to wear calling on Grandmother. Pick-me-up-anytime, plastic lined trunks that snap up both sides and matching toppers. Lace trimmed for girls ... tailored for boys. Wash in a wink, dry "like new". Fine cotton seersucker in pretty-baby pastels. For babies as old as two. Mothers everywhere are snapping them up!

trunks \$1.00 toppers 1.39

alexis, Inc. atlanta, georgia

ORE BOATS S-T-R-E-T-C-H-E-D

in race to make more steel



On this page are three examples of the things America's steel industry is doing to grow *much* bigger *much* faster.

1 THERE are more than 200 companies in the steel industry. Steel production is increasing faster than new ore boats can be built. Several companies are slicing old boats in two, adding long center sections to be ready to haul more ore down the Great Lakes this summer.



3 MANY steel companies are finding new ways to get more steel per day out of existing furnaces, many are building new mills, too. Result: 3.7 million added tons of steel capacity since the first shot was fired in Korea, 13.3 million more tons by '52. Total per year by that time, more than 117 million tons.



2 RICH iron ore reserves in the U.S. need to be supplemented. Some steel companies are developing mines in Labrador, another is rushing a railroad to reach ore in Liberia, others have found and are developing mines in Venezuela.

THE STEEL INDUSTRY wants to help Americans stay free and independent. That's why more than 200 steel companies and more than 600,000 men and women who work in "steel" are eager to do their share in the defense program by pushing up steel production. To know more about the struggle for more steel, write for reprint from Steelways magazine "Steel Rolls up its Sleeves." This gives interesting, factual information on the greatest industrial effort in history. American Iron and Steel Institute, 350 Fifth Avenue, New York 1, New York.



PERSONNA BLADES

REDUCED from 10¢ to 5¢ ea.



BOB HOPE
starring in Paramount's
"THE LEMON DROP KID"

NO CHANGE IN QUALITY

Certified by New York Testing Laboratories
in Continuing Tests

WORLD'S FINEST BLADES

now **5 for 25¢**

10 for 49¢ • 20 for 89¢ (not 98¢)



DOUBLE AND SINGLE EDGE IN TRANSPARENT DISPENSERS WITH USED BLADE VAULTS

Hallelujah! Now that Personnas cost no more than ordinary blades, there's nothing to stop you from trying them. You'll get uniformly smooth shaves from every blade in every pack . . . the smoothest shaves in the world. And man, we do mean smoothest! If you've never used a Personna, you just can't realize how really luxurious shaving can be . . . because Personna blades, and Personna shaves, are wonderful beyond comparison.

PERSONNA'S GUARANTEE: Buy a pack of Personnas. Use as many blades as you wish. If they don't give you by far the finest shaves you ever had, return the dispenser to us for full refund. Personna Blade Co., Inc., 43 West 57th St., New York.

That's a terrific offer. But then, Personna is a terrific blade . . . the only 5-cent blade of ten-cent quality! Get a pack today!

PERSONNA INJECTOR BLADES

NEW METAL INJECTOR

FITS YOUR INJECTOR
RAZOR PERFECTLY



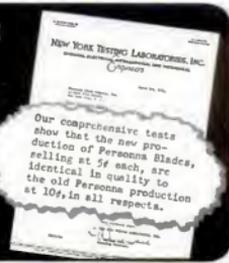
Handy peep-hole makes blade supply always visible. World's finest injector blades—try them!

20 for 89¢ 10 for 49¢
5 for 25¢

SAME FINE QUALITY

Certified by
N. Y. Testing Laboratories

STILL HOLLOW GROUND
as always
STILL MADE FROM PREMIUM STEEL
as always
STILL INSPECTED 17 TIMES
as always





AT WORK 160 FEET ABOVE THE DELAWARE RIVER ONE BRIDGEMAN BUSILY HEADS OFF ALONG A GIRDER AS ANOTHER CASUALLY WALKS UP A DERRICK BOOM

HIGH STEEL

A BRIDGE GOES UP AND MEN GO UP TO BUILD IT

PHOTOGRAPHED FOR LIFE BY PETER STACKPOLE

By next July the men who work high steel will have span their metal web across the Delaware, and a big new suspension bridge crossing the river below Wilmington will be finished. From a distance the Delaware Memorial Bridge will seem as delicate a thing as man can build: its 427-foot towers will bend slightly in high winds, and the four-lane highway it dangles from suspension cables will sway a little. But the delicacy will be deceptive. The bridge will be another of those massive projects at which American engineers excel, crossing a mile of water, stretching 2,150 feet between towers. It has the sixth longest span in the world and is the biggest bridge now going up anywhere. It will cost

\$41 million and has already cost the lives of four men.

"The job," as bridgemen call it, started in 1948 and now, with the main cables spun, is branching high out over open water where only the most experienced bridgemen like to work. On it, hundreds of feet in the air, they lean against the wind and stroll nervelessly along narrow girders, riveting, bolting and tugging trusses into place. Up there with them was Peter Stackpole, back to his first photographic love, the building of big bridges. Fifteen years ago Stackpole got his start in photography with his still famous pictures of the construction of the bridge between Oakland and San Francisco.



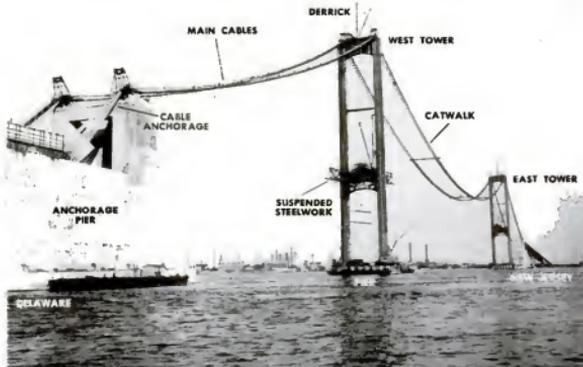
HEAD MAN on the job is Resident Engineer John T. Martin, an authority on cable-spinning. He has been working for American for the last 26 years.



"THE OLD MAN," Superintendent Edward Nimmerpool, hires and fires, losses all the work. He has been building bridges for 40 years all over the U.S.



OLD MAN'S DEPUTY, Byron ("Whitney") Grimes, one of two assistant superintendents, keeps an eye on the job's progress, reports to Nimmerpool.



MAIN CABLES SPUN AND ANCHORED, SUSPENDED STEELWORK STARTS OUT FROM SIDES OF EACH TOWER

BRIDGEMEN CUT THE BUCK

The deep foundations and approach abutments of the Delaware Memorial Bridge were already built last year when the American Bridge Company came on the job. First it built the bridge towers and spun the thick main cables from shore to shore. Now it is putting in steelwork (above) that will support the roadway 175 feet above the water. Suspenders cables are hung from the main cables, then 24-ton longitudinal trusses are hoisted up and hung from them. Lateral bracs are swung up between the longitudinal trusses, jockeyed into place, then fitted and riveted. This heavy, high-up precision work with swinging steel is tricky as well as dangerous. It calls for brains and skill as well as muscle. But the bridgemen prefer it to ordinary construction. They float from company

to company or move from bridge to bridge. All of them have worked on jobs where men have died — two of this job's fatalities came from falls from the approaches, two from falls off the bridge. Some of them, like John Martin (top, left) who broke 23 bones in a fall from the San Francisco-Oakland bridge in '35, have had pretty close calls themselves. In those days when a man was killed the crews went right on working. Now they knock off for the rest of the day.

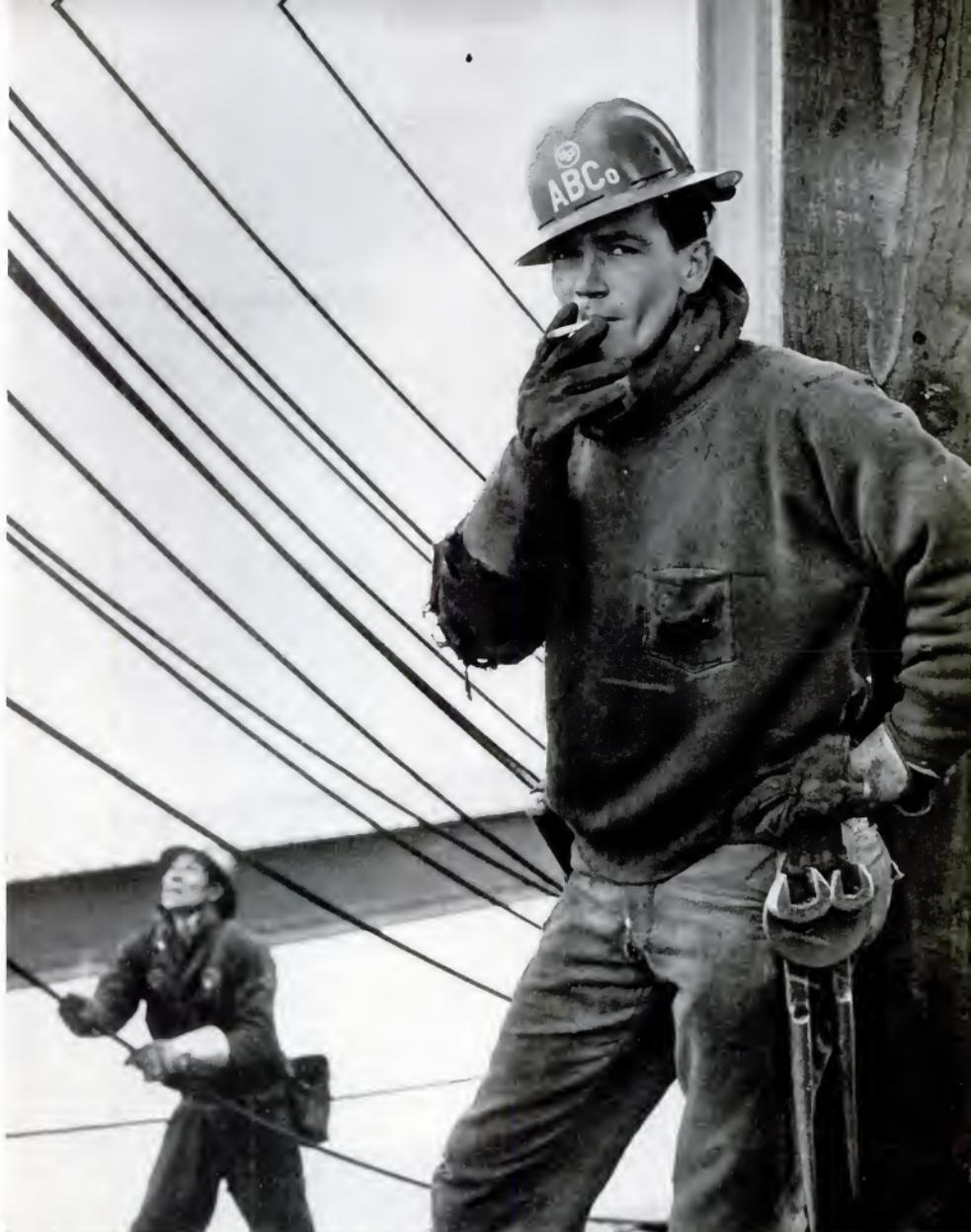
This ever-present danger bothers the bridgemen very little, but it leads them to cut down on their horseplay and put a high premium on teamwork. They like to work with a man who can keep his wits about him and has the right tool ready when the steel comes up. Of a man like this they say, "He cuts the buck."



"PUSHER," or foreman, Ben Roberts heads the raising gang which lifts steel from the barges below and fastens it temporarily in place for riveting gang.



HOISTING ENGINEER York Smith runs a derrick on the tower, lifts loads he often cannot see. One false move by him could knock whole crew off bridge.



BRIDGEMAN, who does work of erecting and connecting the steel, is the basic man on the job. This is Bill Hipkiss, 26, who now works in the most dangerous job—on a raising gang, fitting the steel into place. Bill's father was a steelworker

for 20 years, and Bill, with time out as a Navy aerial gunner, has been in the business since he was 17. This is his first bridge. He makes \$2.80 an hour with double time for overtime and can earn as much as \$170 a week in good weather.



ON THE GATWALK, which was strung even before the main cable, crew reels in small cables which originally held catwalk up. These will be used again.



RAISING A TRUSS, men of the raising gang ride the swinging steel 100 feet above the water. They jumped on to it when the truss was swung near the

steelwork (left). Here, as the derrick slowly lowers it, one man throws a rope to another to help guide it into place. The only handhold of the man catching



GUIDING A PLATE into place, bridgeman hangs on suspender with one hand and gives the tackle a kick with his foot. In the background is New Jersey.



RIDING THE HOIST, two bridgemen are swung by the derrick from one side of bridge to another, 60 feet away. This is unsafe, frowned on by company.



the rope is a wrench which he has poked into a rivet hole. Because it requires almost acrobatic agility, this is a job that is usually held by the younger men.



BULLING A BEAM, two men sprawl along the longitudinal truss as they kick beam into position. This will be one of cross-trusses which form a floor for the roadway. All of the trusses are prefabricated and each is earmarked for a specific place.



THE MAIN CABLE, which was spun strand by strand between the shores, is now bound tightly together. Later it will be wound around with galvanized wire. Then catwalk will be removed and two hand ropes will be strung along top of cable.



LONGEST SUSPENDERS are ones nearest towers on each side and are made of four cables which have breaking strength of 150 tons. Each is painted

with red stripe. After cable is hooked up, stripe is inspected. If the line is no longer straight it will show that the cable has twisted and changed its length.

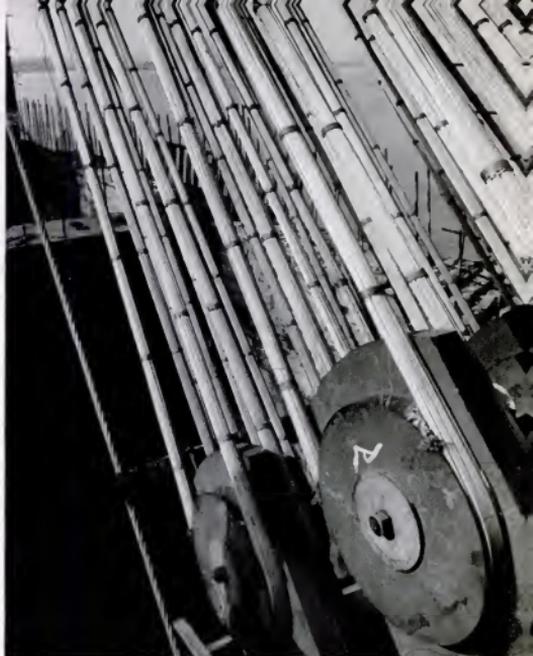


AT LUNCH HOUR on tower, bridge-man munches a cheese sandwich which he has toasted on the rivet-heater's forge. Thirty minutes are allowed for lunch.

AFTER LUNCH comes the crap game. At this one — a quarter rolled off edge. The crew watched it fall 160 feet onto derrick shed, marked it for recovery later.



WALKING THE CATWALK, a bridgeman treads a springy, swaying net of wire more than 300 feet above the water. Next to the pier far below is a barge on which are stacked the prefabricated trusses which will be hoisted up by the derrick.



CABLE ANCHORAGE holds main cable at ends of bridge. Main cable is made of 19 smaller strands, each of which has 43½ wires. All are looped around "hoop," which is in turn anchored in the masonry. Anchorage will be encased in concrete.



Oh! my Aching foot!

and for that stiff, tired arm, hip and leg

• Why be tortured with sore, over-tired muscles? Rub on Absorbine Jr. This pain-chasing liniment goes to work fast—with two wonderfully beneficial actions!

First, it cools and soothes those aching sore spots. Second, it counters the irritation which causes pain—with a grand, muscle-relaxing effect.

Get Absorbine Jr. today. Only \$1.25 a long-lasting bottle wherever drugs are sold.

W. F. Young, Inc., Springfield, Mass.

Get fast relief with

Absorbine Jr.

It feels so good!



FRANKEEEEE
It's so wonderful!

They'll love red-hot with delicious Mustard-base *Hot Dawg Relish*!

Everybody'll crown for more Frankfurters because it's tangy, zesty, mouth-watering!

Shop for the 18 oz. jar at your grocer!

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Watch for . . .

"America's New Army" with General Omar N. Bradley.

A MARCH OF TIME THROUGH THE YEARS production, on Television this week.

See your local newspaper for date and station.

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Refreshing
Soothing
Vitalizing

PINALIN Perfect

LILAC VEGETAL 97¢

AFTER SHAVE • AFTER SHOWER

WORLD FAMOUS SINCE 1810

HEADACHE?

caused by acid indigestion
or temporary sluggishness

Get sparkling Eno . . . today! Let it relieve your sick headache two ways: Eno quickly helps neutralize excess stomach acid . . . and Eno also acts as a speedy, gentle laxative when needed!

1. **PLEASANT** — as a glass of sparkling, bubbly soda water!
2. **LAXATIVE** — relieves temporary sluggishness quickly. (Take before breakfast when needed.)

gishness quickly. (Take before breakfast when needed.)

3. **ANTACID** — relieves sourness, gas and heartburn promptly.

Used by millions. Effervescent Eno is also good for CONSTIPATION, DIZZINESS, OVERINDULGENCE and SOUR STOMACH. At all druggists—Get Eno today.

TAKE GOOD-TASTING ENO

HIGH STEEL CONTINUED



DOWN FROM THE JOB AT THE DAY'S END,
BRIDGEMEN HEAD FOR SHORE AND HOME



Print it —
Address it — Mail it!

Quick at 1-2-3 and your advertising announcements, price changes, adv. save cards, etc. are ready for mailing. Twin machines give you a complete direct mail department capable of turning out thousands of pieces per day. They'll pay for themselves in "no time"—get one or both today—no special offer!



ADDRESS IT QUICK!

Amazing addresser—so easy and rapid to use—no set-up time, gets mail out to your lists promptly at unbelievable low cost of 6¢ per 1,000 names. Addresses tags, cards, labels, envelopes of any size in a single, swift one-hand motion. Mailing lists easily prepared on paper tape by typewriter or pencil... uses no messy inks, ribbons or platen.

PRINT IT EASY!

Fast and economical, this portable "printing plant" makes perfect advertising announcement cards—also prints on cartons, envelopes, labels, price cards, ruled forms, etc. at amazing low cost of only a few cents per 1,000 impressions. Automatically inked... uses inexpensive stencil, typed, handwritten or with drawings. New design ensures perfect registration and elimination of set and smudging.



HEYER *Portable* PRINTER

\$1095 Complete with Supplies
Prints in both sizes

Price Higher in Canada—contact Brown Box, Ltd., Toronto

HEYER *Portable* ADDRESSER
\$1095 Complete with Supplies
Prints in both sizes
If unavailable at your Stationery or Office Supply Dealer—mail coupon today. Satisfaction guaranteed or money back.

THE HEYER CORPORATION, 1864 S. Western Ave., Chicago 22

- Send literature and name of nearest dealer.
- Ship 1 Model 100 ADDRESSER complete at \$119.95.
- Ship 1 Model 100 ADDRESSER complete at \$129.95.
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- Ship 1 of each machine complete for only \$119.95.
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Keep knives and
scissors sharp



Knife & Scissors Sharpener
Dazey Model No. 513AC
\$595 others as low as 1325

All Chrome DAZEY TWIN SHARPIT

The Dazey Twin Sharpit keeps a keen edge on your knives, scissors, sickles, and other household cutting edges. It's the finest sharpener made for home use. Available in a variety of colors and finishes. At department, home furnishings, and hardware stores.

Be sure it's a DAZEY

The name "Dazey" on "Kitchen Helpers" is equivalent to the mark "Sears" on silver.



THE NAME FOR GAME

Marlin
Fine Guns Since 1870

THE MARLIN FIREARMS COMPANY

also makers of sensational new Magnetized MARLIN RAZOR BLADES

THIS time get...

LOCKED-IN COMFORT

RESTONIC Triple Cushion MATTRESS



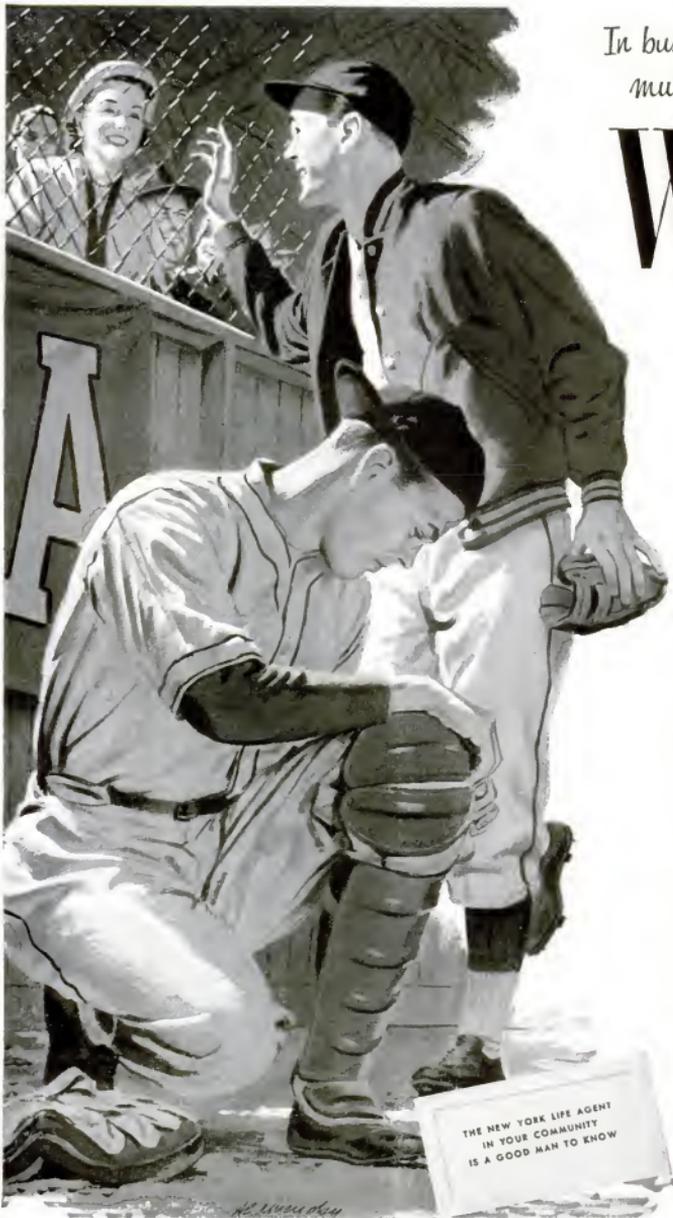
lasts longer!

PADLOK inner-springs lock upholstery

to the inner-springs A patented method. Dazey says with soft, keeps upholstery from getting lumpy, allows full coil action. Comfort lasts longer!

AT YOUR DEALERS

RESTONIC CORP. - CHICAGO 11, ILL.



In business, as in baseball,
much depends on the

WARM UP

"Mr. Kent will see you in a few minutes," the receptionist said pleasantly.

"Thank you." Tom Wilson went to the far side of the room and sat down. This was his first "big" call, on his own, as a New York Life agent and he was nervous, frankly nervous.

Tom picked up a magazine and turned a few pages idly. He had that same tense feeling in his stomach that he had the day he pitched his first big baseball game in college. Tom put the magazine down and let his mind wander back to the baseball diamond and that first big game.

He remembered warming up, he and the catcher, standing along the first base line. Then Tom had gone over to talk with his mother, who was sitting just behind the screen where she could see every pitch. Her understanding smile turned out to be the best part of the warm-up.

Tom had been so proud of her, looking as smart as any of the girls and, when she laughed, looking almost as young. Nobody would have guessed that she had borne the cares of the family all alone, helped only by the memories of her husband and an income from the life insurance he had so thoughtfully left her.

Tom had been proud of his father, too, for the love and forethought which had made it possible for his mother and himself to live and grow, not hemmed in by want. In fact, it was the deep realization of all the things life insurance had made possible for his family—and could make possible for others—which had led Tom to become a New York Life agent himself . . .

The receptionist's voice punctured Tom's thoughts. "Mr. Kent will see you now."

"Fine," he said. He got up and started to Mr. Kent's office. The warm-up was over. He had the confidence he needed now.

THE NEW YORK LIFE AGENT
IN YOUR COMMUNITY
IS A GOOD MAN TO KNOW

NEW YORK LIFE INSURANCE COMPANY
51 Madison Avenue, New York 16, N. Y.

Naturally, names used in this story are fictitious.



AQUATIC ESTHER TRIES OUT UNDERWATER LINGERIE COSTUME IN SWIMMING POOL

THE MERMAID TYCOON

Amphibious Esther Williams can make a mint of money with equal ease under water and on dry land

When Esther Williams (*see cover*) graduated from the Billy Rose Aquacade 10 years ago and became a starlet, everyone told her that nobody was interested in a swimmer after the second movie, and if she was sensible she would be thinking about putting something aside for the future. Esther is nothing if not sensible, and she has been putting furiously aside ever since. She really doesn't need to; she knows that the movie containing this sequence for which she is rehearsing in the picture above will make

half a million dollars. So will her next picture and her next. Even in the unlikely event of her popularity declining, her contract still has 10 years to run. But Esther was born in poverty, and her hunger for security was sharpened in the days of her swimming successes, when she learned that you cannot feed yourself with medals. She has a feeling that the movie money isn't really real, and she goes on piling up more with the zeal and energy of a pondful of beavers. For some of the details see pages 144, 146.

TERRESTRIAL ESTHER, IN BUSINESS TOGS, LOOKS OVER MODELS OF THIS YEAR'S COLE OF CALIFORNIA BATHING SUITS IN THE HOME OF BOSS FRED COLE



CONTINUED ON NEXT PAGE



Are you always Lovely to Love?

At important moments like this... underarm protection must be complete.

Merely deodorizing is not enough. Underarm perspiration should be stopped—and stay stopped. Smart girls use FRESH Cream Deodorant because it really stops perspiration.

Furthermore with FRESH you are assured of continuous protection. That's because FRESH contains amazing ingredients which become reactivated... and start to work all over again at those times when you need protection most. No other deodorant cream has ever made you this promise.



For head-to-toe protection, use new FRESH Deodorant Bath Soap...prevents body perspiration yet mild and gentle...contains amazing new soap ingredient Hexachlorophene, reported in Reader's Digest.

Mermaid Tycoon CONTINUED



GARAGEWOMAN ESTHER points out a spot to be rubbed by her husband Ben Cage at the gala opening of their service station in Santa Monica in 1948.



RESTAURATEUR ESTHER pays one of her regular inspection visits with Ben to the kitchen of their restaurant, The Trails, in a suburb of Los Angeles.



INDUSTRIALIST ESTHER has a look at her metal-products plant. It is at present making axles for trailers while waiting for defense orders to come in.

Lucky Leaf

APPLE PRODUCTS

Apple Blossom Parade

Brighten Springtime Meals with
Delicious Lucky Leaf Apple Products

You'll count yourself lucky when you discover Lucky Leaf Apple Products. They're the aristocrats of the apple world—luscious treats prepared from choice Blue Ridge Mountain fruit and put up by the folks who grow the apples—folks who know best how to bring you highest quality and orchard-fresh goodness. Look for the complete Lucky Leaf line at fine food stores. Put them on your shopping list now. Knouse Foods, Peach Glen, Pennsylvania.

LUCKY BUY FOR APPLE PIE

No peeling—no waste—when you use Lucky Leaf Sliced Apples. A delicious dessert by themselves.

DRINK AN APPLE A DAY THE LUCKY LEAF WAY

Tongy and sparkling clear, Lucky Leaf Apple Juice is the pure juice of "eating-quality" apples.

WHAT A LUCKY SIGHT APPLE SAUCE BRINGS

A special blend of Golden-Delicious, Rome Beauty, Stayman, Grimes Golden, York Imperial and other choice apples.

Put up by the Folks who GROW the Apples

Enjoy all nine in the Lucky Leaf Line

- Sliced Apples
- Apple Sauce
- Apple Jellies
- Apple Butter
- Also Red Tart Cherries
- Tomato Juice
- White Distilled Vinegar
- Apple Juice
- Cider Vinegar

Colonial Blue

One of the Gorgeous New



The New
Wonder
Paint

Guaranteed by
Good Housekeeping
★
FOR ALL APPROVED TRADES

Ready to use, stir and apply

Glidden
SPRED SATIN

DECORATOR COLORS

**Dry in 20 minutes • No laps or brushmarks • No unpleasant odor
Stand extreme abuse • Dirt can't cling • Washable, again and again!**

It's so easy to use these new Spred SATIN Decorator Colors that you can put a modern deep-tone hue on your living room walls in half the time! This original synthetic rubber emulsion base paint has changed the decorating habits of America. See a demonstration today!



Colonial Blue Spred SATIN gives a feeling of open spaciousness to this delightful colonial living room-dining room. Ceiling is on new Spred SATIN Ceiling Flat White. Floor is Florenamel Blue green as a pleasing background for furniture done in Glid-Tone Stain, Conventional Maple.

From the laboratories that created Spred SATIN come other new wonders that make all painting so easy

In enamels for woodwork, floors and furniture, in varnishes, house paints—all types of finishes—Glidden research has raised performance far beyond the levels of just a few years ago. Ask your Glidden dealer.



If you want a house paint that goes on fast and covers amazingly... a self-cleaning paint that stays bright longer, the finest of standard first-line house paints, see

ENDURANCE
For premium quality, permanent results at a slightly higher price, ask for ENDURANCE Imperial.



If you have hesitated to stain wood surfaces because you thought it would be difficult, you'll be amazed at how easily you can get beautiful results with this new line of powdered wiping stains. For modern stained wood effects as well as traditional dark finishes, ask for

GLID-TONE STAIN

The Glidden Company, National Headquarters, Cleveland 2, Ohio

Symbol of The Pacemaker in Paints

SPRED-Flat, SPRED-Luster, Ripolin, Enamel, Speed-Wall, Pli-Namel, Spray-Day-Lite, House Paints ENDURANCE, ENDURANCE IMPERIAL, Gliddenspar Varnish, Industrial Finishes, Sign and Graphic Arts Finishes, Glidair Aviation Finishes.

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Fashion Trends in Color
to greater use of rich, deep hues. Spred SATIN Decorator Colors bring—for the first time—deep tones that you can apply quickly and easily without complicated surface preparation or troublesome inter-mixing. And—look at the beautiful results you'll get with the color you like best!



*Winberry, a Spred SATIN Decorator Color, gives dramatic warmth to this attractive room. Ceiling is done in new Spred SATIN Ceiling Flat White. Floor and furniture are in Flourenamel Blue-Tone Stain.**



*Berksire Green, another Spred SATIN Decorator Color, gives cool levelness to walls, woodwork. Ceiling is in Spred SATIN Ceiling Yellow; floor and furniture in Florenamel Mahogany.**



*Monterey Brown Spred SATIN provides still another modern motif. Ceiling and fireplace are in Spred SATIN Flourenamel Green. Floor, Glidden Florenamel Varnish, furniture, Wheat Glid-Tone Stain.**

* Additional color details on request

In Canada: The Glidden Company, Ltd., Toronto

The Mark of Leadership in all these fields:

Durkee Famous Foods: Margarine, Mayonnaise, Salad Dressing, Famous Dressing, Coconut, Spices, Shortening, Soybean Products, Vegetable Oils, Fats and Livestock Feeds, Chemicals and Pigments, Powdered Metals and Type Metals, Naval Stores.

ESTHER'S RISE TO FILM FAME

A CHAMP AT 17, Esther was swimming on the team of the Los Angeles Athletic Club in 1939 when she won the 100-meter free-style title in finals for the next year's Olympics, which were never held on account of the war.



A STAR AT 18, Esther shared the top billing with Johnny Weissmuller in Billy Rose's Aquacade at the Golden Gate Exposition in San Francisco. This was one of the photographs that caught the eye of M-G-M talent scout.



AN OLDTIMER AT 29, she looks as fresh as ever in this scene from her latest picture, *Texas Carnival*, in which she plays a target at a fair, ready to be dunked in the water by anybody who can hit her with a rubber ball.

CONTINUED ON NEXT PAGE

Burma-Shave
Was such a boon
They passed
The bride
And kissed
The groom

Even if you're not grooming yourself for a wedding, you'll like the way you look after shaving with Burma-Shave. Better still, you'll like the way your face feels. Try it and see why millions use brushless Burma-Shave every day.

ECONOMIZE WITH THE LARGE SIZE



Distilled from 100% Grain Neutral Spirits — 90 Proof
Mr. Boston Distiller Inc., Boston, Massachusetts

**SLUGGISH TODAY?
After 35, Do This —**

Use all vegetable Serutan designed especially for folks over 35. Serutan is different. Acts with Nature to give you daily regularity. Results are so pleasant, you'll be reminded of your younger days. What a wonderful feeling to be regular again! Get Serutan at your drugstore today. Money-back guarantee.

**Throw Away
NICOTINE**

Switch to
**MEDICO
FILTER
PIPES**

When filter turns brown—in Medico Pipes or Cigarette Holders—throw it away, with the nicotine, juices, flakes and tars it has trapped. Insert fresh filter for cooler, cleaner, deeper, sweeter smoking.

Box of 10 filters—10¢

MEDICO V.F.O. (Very Fine Quality) Just introduced! Pieces of fine selected imported briar, \$2
With 10 filters—\$1.50

MEDICO MEDALIST Just introduced! Pieces of the choicest imported briar, \$1.50
Splendid value—

Wide variety of styles and sizes.
Write S. M. Frank & Co., N. Y., for Booklet

MEDICO CIGARETTE HOLDERS—51

Welcome
additions

TO ANY FAMILY



Baby Ben Alarm Clock.

Popular little brother of Big Ben. Baby Ben has a quiet tick and a steady call that you adjust to loud or soft, as you prefer. Choice of black or ivory finish. A handsome, dependable little fellow that comes in plain or luminous dial.



Melody Electric Wall Clock.

Brilliant new note in wall clocks! Melody has removable case ring that comes in a variety of colors. To change color you simply flip out the ring and flop it over. Or paint ring to suit, or remove it entirely so your own wall color shows through!



Moonbeam Electric Alarm.

New, modern way to wake up! Moonbeam calls two ways: "First he blinks... then he rings." The first call is silent—a blinking light that disturbs nobody else. But if you ignore the light, an audible alarm goes into action. A Westclox exclusive. Comes in plain or luminous dial.

WESTCLOX

Electric Clocks

Made by the makers of Big Ben



PRODUCTS OF WESTCLOX CORPORATION

Mermaid Tycoon CONTINUED

**BLEND OF BEAUTY AND BUSINESS
MAKES UP-TO-DATE DREAM GIRL**

In guilt-ridden Hollywood, where most people cover up their secret shame for making so much money by mumbling about Art, Esther Williams' voice is fresh, frank and unafraid. "I can't act," she says cheerfully. "I can't sing, I can't dance, My pictures are put together out of scraps they find in the producer's wastebasket. I've never had a picture that was praised by TIME or LIFE. But I'm one of the two women among the 10 top money-making stars, and you've got to do articles about me, don't you?"

For all her cheerful girlishness, Esther knows pretty well what keeps her up there. When she accidentally rubs her behind against someone on the set she is apt to look around and say, "Provoking, isn't it?" and scamper on. Esther's is a peculiarly American sex appeal: an athletic, antiseptic, salt-flaked, out-of-doors, fun-loving kind of sex. There are no secret chambers in the Williams soul. Movie stars are built on dreams, and a man dreaming of, say, Rita Hayworth or Lana Turner, knows that even in his dreams he is likely to get into trouble—the wickedness is part of the lure. But you take Esther Williams, you take nothing but good practical delights: a firm body, a youthful smile that looks more girlish with every year's approach to 30, a good clean sunny American home, happy chubby children and the invigorating roar of the sea. Esther offers her admirers an exciting collection of charms under conditions which meet the approval of the puritan conscience.

In her latest picture, *Texas Carnival*, her big swimming sequence appears on the screen as a Technicolor dream in the mind of Howard Keel. He is lying on his bed when, by a process of double-printing, in comes Esther in a nylon negligee and flesh-colored bathing suit, swimming in mid-air around and over and across the bed. If it had been a dancer, the Breen office would have called the whole idea unthinkable; imagine, a bed. Esther being a swimmer, everything is okay.

Purity of screen life has its inconveniences, for life outside must hold to the same standard of wholesomeness. Esther and her husband, a bear-shaped ex-radio announcer named Ben Gage, have a game they play in restaurants. One of them says, "Photographer." They lock one pair of arms, transfer their Martinis to their laps below table level and turn with fixed smiles toward the center of the room.

Fan magazines' staff of life

At these things are even more wholesome. Esther has two little sons, Benjamin Jr. (Benjie), aged 20 months, and Kimball (Kim), aged 5 months. They are brought up in pleasant surroundings according to the most modern methods, and there is not a reader of fan magazines who does not know what those methods are. Esther is a staff of life to the fan magazines. She appears on more covers, 15 per year, than any other star, and no issue seems complete without a disquisition on little Benjie's toilet training, or how the baby's room is decorated.

When making a film Esther spends an average of 190 hours a month on the set, another 20 at the service of the publicity department. But she has plenty more at her disposal for business projects. There have been actresses before who have dabbled in business. But there has never been a tycoon, outside of a movie, at once so pretty and so precociously apt at turning over a quick buck as Esther.

This business talent has been well publicized, and Esther does her best to live up to the publicity. Talking about a house she and Ben bought in Acapulco, she will throw in the gratuitous information that they rent it at a handsome profit during the 10 months a year they are away from it. And that's not all: they didn't put in a swimming pool because they figured that anyone rich enough to rent a house in Acapulco would put in a pool anyway at his own expense; and he'd have to leave it behind him. (But no one has so far.) And there is more to come: having a house to rent constitutes business, and that means when she and Ben go to Mexico it's a business trip, for income tax purposes.

The Acapulco house is only part of the Williams real estate dealings. Her brother David had asthma and needed a desert climate. Esther decided to send him to Twenty-Nine Palms, Calif. Then Ben and she agreed to back him in building houses there. He built the first house himself, and then they backed him on four more. It ended up with David getting a fine contracting job, the Gages making a tidy profit on the houses and Esther being elected honorary mayor of the town.

Another relative, Cousin Tom, needed \$500 to meet a note on his machine shop. Esther discovered that it was a well-equipped shop, put a great deal more than \$500 into it, brought in Ben's brother Chuck to watch finances, and now it is turning out 5,000 axes a month.

**FIGHT HEARTBURN,
ACID INDIGESTION
3 WAYS**

AT THE
SAME
TIME



Here's why you feel fine so quickly when you take Tums for gas, heartburn, acid indigestion:

1. Tums neutralize excess stomach acid fast.
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3. Tums soothe and settle upset stomach.

Get Tums today. Still only 10¢ a roll; 3-roll box 25¢.



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TUMMY

GUARANTEED
TO CONTAIN NO SODA

✓ TRY ONE OR TWO TUMS AFTER BREAKFAST
SEE IF YOU DON'T FEEL BETTER

**MORE LIGHTS
PER PENNY!**



Four big reasons why you should always buy Ronsonol, America's largest selling lighter fuel—
① Laboratory tests prove it lasts longer than most other brands. ② Specially blended to light instantly. ③ Clean, full flame. ④ Pleasing fragrance. When you buy lighter fuel insist on the best. Insist on Ronsonol!

RONSONOL

LIGHTER
FUEL

Best for
ALL 'flint'
lighters

4 oz. can
25¢



Use extra long Ronson Redskin 'Flints'



Picture of a Great Event

What is so remarkable, you ask, about a father helping his son plant a seedling tree?

This is what is remarkable: it is happening in Israel. And the odds were—overwhelmingly—that it could never happen at all.

The odds were that the father would die in Europe as six million other Jews died under Hitler. Yet he got through to the new, shining land. The odds were that the desert soil of Israel could not be made to flourish. But the father, and tens of thousands like him, brought more to the task than hoes and harrows.

And you, you helped every step of the way, from DP camp to desert settlement. You provided the tools, the seeds, the means of rescue and rebirth.

Now you see the roots going down. Not just the

roots of the seedling . . . human roots, too. The tree, the boy and Israel will grow together. And with them will grow and flourish the world's most precious way of life—democracy.

In just three years you have helped transplant 500,000 homeless refugees to Israel, have given them the chance to begin a new and hopeful life. But the work is only half done. Your help—through the *United Jewish Appeal*—is needed still to bring 200,000 more this year, to reclaim land, plant forests, build settlements and homes so that these newcomers too can sink firm roots in Israel's soil.

Their need is urgent. Threatening emigration deadlines and the world emergency warn that we dare not delay our help for a moment. So give now, while there is still time. Give today. Give more than ever before.

In 1951—Before Time Runs Out—the United Jewish Appeal Must:

Save 200,000 homeless Jews by bringing them to Israel from danger zones in Eastern Europe and Arab lands.

Help the people of Israel make their country a bulwark of democracy—by aiding them to establish 120 new agricultural settlements; build housing units for 40,000; care for 50,000 immigrants in reception centers plus 15,000 children and 5,000 aged and handicapped.

Supply relief, care and rehabilitation assistance to 400,000 distressed Jews in Europe and Arab countries, 90,000 of them children.

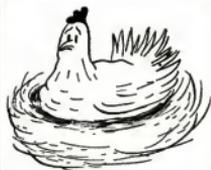
Resettle in this country and in other western democracies a total of 25,000 displaced Jews from Europe.

United Jewish Appeal

on behalf of Joint Distribution Committee • United Palestine Appeal • United Service for New Americans • 165 West 46 Street, New York 19, N. Y.

TO SAVE LIVES—TO STRENGTHEN THE FREE PEOPLE OF ISRAEL—TO AID DEMOCRACY EVERYWHERE

LOOKING
for SOMETHING
?



To find the products
you need—use the
YELLOW PAGES
OF YOUR TELEPHONE DIRECTORY



Then she got interested in filling stations, opened one of her own and made a Hollywood premiere out of it, with bright lights and stars in emine. The station grew into two, and both were going strong until a price war started. Whereupon Esther sold out at a good profit.

One day she and Ben noticed that a restaurant on Sepulveda Boulevard was up for sale, to pay the taxes. The Gages picked it up for a reported 11¢ on the dollar. Now, after 18 months, business at The Trails has tripled. It has decent food, a flock of monkeys behind a glass wall, an orchestra, some periodic crooning by Ben, but especially the periodic presence of Esther, who smiles at the guests and autographs their menus and tells them how happy she is to see them.

Pilgrims come to The Trails from all over the country, but the hard core of its clientele comes from the nearby Hughes and Douglas Aircraft plants. Esther is always, of course, a welcome guest at the tables of these gentlemen, and she keeps her ears open. The other day she heard something about precision tools that interested her. Esther recalled that her brother-in-law Chuck owned a small precision tool plant doing roll-forming work with aluminum. She and Ben moved in at once and soon were negotiating a contract for exclusive orders for screen doors for all Army barracks in the West.

Still another enterprise is the bathing suit connection. Esther has given the use of her name to Cole of California, who brings out a suit every year named for her. She is at present devoting her thoughts to the problem of girls who have the misfortune to be short-waisted.

Dearest to Esther's heart of all her investments is the counseling service run by her mother. Beula Williams had long dreamed of setting up a service which would help hold families together by taking care of parent-child difficulties. Last year she was able to start one, with \$5,000 of Esther's money.

The counseling is a nonprofit institution and one of the two activities from which Esther gets no money. The other is the swimming lessons she gives to blind and partly blind children three days a week. It is something she can put her whole heart into, feeding these hesitant children some self-confidence out of her own illimitable store.

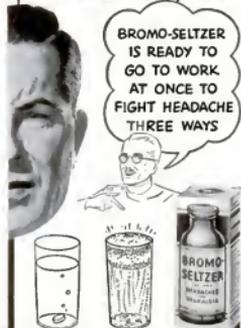
All these activities never interfere with the screen schedule, which has gone its way for 9½ years at its profit-making pace. Esther has made 16 pictures in that period and worked hard at them—was in swimming for *Pagan Love Song* in her sixth month of pregnancy. They are all pretty much alike; only the scenery, the words of the songs and the faces of the handsome young males being changed. There have been only two exceptions to the pattern. Esther's first movie was an Andy Hardy picture. And some years later a demented executive put her in a dramatic role opposite William Powell in *The Hoodlum Saint*. The bobby-soxers at first showing screamed so loud every time they saw their Esther kissing "that old man" that all the clutches had to be cut out of the movie. It remains a hideous example to this day—the only Esther Williams picture to make less than half a million dollars profit.

ROBERT WERNICK

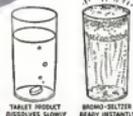


HAPPY FAMILY GROUP is formed by Ben, Esther and little Benjie, their elder son. They keep office in the living room to help cut down income taxes.

Fast, Effective Help for
HEADACHE
Upset Stomach—Jumpy Nerves



BROMO-SELTZER
IS READY TO
GO TO WORK
AT ONCE TO
FIGHT HEADACHE
THREE WAYS



Get effective relief from headache misery fast with Bromo-Seltzer. It effectiveness is so steady—faster than any tablet product you've ever tried—ready to go to work at once to:

1. Relieve headache pain.
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38%
brighter teeth



Amazing results proved by independent scientific test. For cleaner teeth, for a brighter smile...try Calox yourself today!



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114 Brushings
per 4 oz. can.

50% more
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TODAY'S BIG BUY IN

Bulbs

YOU CAN BE SURE...IF IT'S
Westinghouse



60-WATT
3 for only 45¢
Federal excise tax included

100-WATT
3 for only 54¢
Federal excise tax included

Here's another budget tip: For economy and greater See-ability, get the new 150-watt Westinghouse Bulb. It costs only 22¢, including Federal excise tax.



You pay no premium price for the long, 7500-hour life and top-quality of Westinghouse fluorescent lamps.



You can depend on Westinghouse all-glass sealed beam headlamps for your car. They never grow dim!

Enjoy TV's top dramatic show
WESTINGHOUSE STUDIO ONE
every Monday night on CBS-TV.



The pine paneling is Sandran "Poco Pine" plastic wall covering, a brand new product for easy, inexpensive home installation. Tough, non-porous, easy to clean.

PUT PLASTIC MAGIC ON YOUR FLOORS

Sheds dirt...seals out wear...stays sparkling fresh with easy care



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The Floor Covering of Irresistible Beauty!

Here's come-and-get-it beauty at an honest-to-goodness thrifty price. It's sensational new Sandran floor covering with a plastic loveliness you'll have to see to believe. Colors and designs are locked-for-life in durable vinyl!



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plastic. Beauty's sealed in; wear's sealed out.

Dirt, grease and grime wipe right off Sandran's non-porous surface. It needs no scrubbing—even. Strong soaps, harsh household cleaners—even lye can't hurt it.

For more beauty for your floor, more wear for your dollar, less work for you—buy Sandran! Rubber tile designs and exclusive patterns at a modest \$1.89 a sq. yd. in most areas. Go see Sandran today in floor covering departments and specialty stores.



FREE! Literature on Sandran floor and wall covering, two revolutionary products that bring new beauty and leisure to your home. Sandra Company, Inc., 1475 Architects Bldg., Philadelphia 3, Penna.



FIVE DAYS AFTER ACCIDENT the skin on Gaines's chest and stomach is white and dead. Black streaks at his waist are flakes of completely charred skin.

TREATMENT OF BURNS

Dramatic recovery of a man who should have died shows effectiveness of new drugs and techniques

The horribly burned man shown in these pictures is an Arizona ranch hand named T. C. Gaines, who by all rights should not be alive at all. The fact that he is still living is dramatic evidence of the progress being made in treatment of body burns. Eleven months ago 71% of Gaines's skin was burned off in a gasoline fire. Doctors gave him plasma, penicillin, Vaseline dressings. But since the loss of 60% of the skin is usually fatal, Gaines was given no chance to live. Then Dr. James Whitelaw of Phoenix' St. Monica Hospital gave him shots of the hormone ACTH, a treatment never before tried. Gaines rallied quickly, soon ate hearty meals. Though his skin peeled off in great strips (*below*), new skin gradually replaced it (*upper right*). Four months later he walked out of the hospital with hardly a scar.

Dr. Whitelaw's use of ACTH was no shot in the dark. He had noticed that in other illnesses it reduced fever, cut loss of body fluids and kept kidneys functioning—ideal characteristics for a burn treatment. Though ACTH worked in the Gaines case, it has not been consistently successful on subsequent patients. But as more is learned about the effects of this and other treatments, and about the nature of burns themselves (*following page*), recoveries like that of T. C. Gaines may become commonplace.



SEVEREST DAMAGE occurred to Gaines's right leg, where burns were so deep they exposed muscles and tendons. Here skin grafts were necessary to rebuild leg.



NEW SKIN began to grow after six weeks (*above*). After 3½ months (*below*) his back was almost healed, and even without skin grafts little scar tissue developed.



CONTINUED ON NEXT PAGE

Brilliant!
New!



Diamond-Cut crystal glass

Proud as a jewel... this table service designed by Freda Diamond. Looks any amount expensive. New fashion-trend-complete place settings... (stemware and tumblers match.)

- Decorator details: 1-Goes with both your modern and traditional china.
2-An impressive gift, beautifully boxed. Gem of a gift for Brides.
3-Drinking edges guaranteed against chipping.* At leading stores everywhere



LIBBEY GLASS

Established 1818

Stemware
4 of a kind,
boxed
\$5.00



Tumblers, 4 of a kind,
boxed
\$4.00

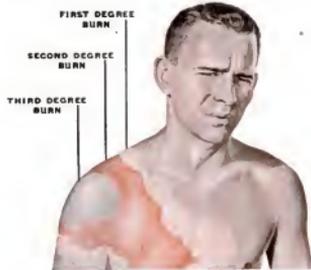


Prices quoted, slightly higher in the South and West.

*If the rim of a "Safety" glass ever chips, we'll replace it.**

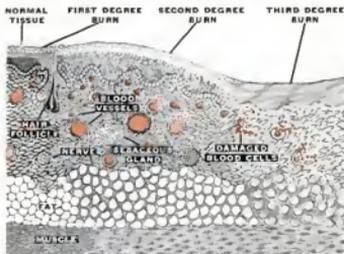


Copyright, 1951, Libbey Glass, Division of Owens Illinois Glass Company, Toledo 1, Ohio.



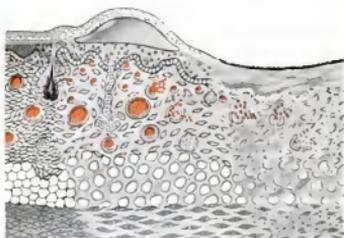
SOON AFTER SEVERE BURN, SKIN SHOWS DEGREES OF DAMAGE

The severity of burns is indicated almost immediately by the color of the injured skin. Mild, first-degree burns turn the skin pink, second-degree burns turn it red and third-degree burns, the worst of all, leave whitish areas. In severely burned patients all three degrees are present (left). The drawing at right shows how each affects the skin. Mild burns injure only the outer layers. The heat also dilates the capillaries below, giving the skin a pink color. Second-degree burns penetrate deeper, dilate and rupture larger vessels whose blood turns the skin red. Third-degree burns destroy the blood cells and cook the skin, fat and muscle to a whitish mass.



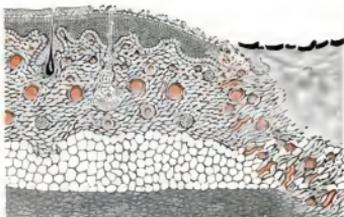
WITHIN 8 HOURS BURN BLISTERS, PATIENT GOES INTO SHOCK

One to eight hours following severe burn injury the patient usually grows deathly pale and goes into a state of shock (p. 152). This produces profuse sweating and a sort of stupor in which he no longer feels the pain of his injuries. His temperature and blood pressure drop quickly below normal and his pulse grows faint and fast. In the areas which have received second-degree burns all the cells and blood vessels begin to lose vital salts and leak essential fluids, which permeate the tissues and flow up toward the surface layer of the skin to form large blisters (right). In the third-degree areas the damaged cells have completely disintegrated into a brownish mass.



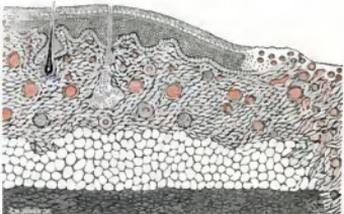
AFTER 12 DAYS THE FIRST- AND SECOND-DEGREE AREAS HEAL

During the fortnight following injury the patient runs a fever which frequently rises as high as 103°. His liver and kidneys usually fail to function properly because of their reduced blood supply and because the burns have disturbed the delicate balance of the body's salts and fluids. Such complications, and even shock itself, can be reduced if the patient receives careful treatment immediately after the accident. By the 12th day the first-degree burns are practically healed. New skin has appeared in the second-degree areas as the dead skin begins to flake off. Thick scabs which cover the third-degree burns will lift off later and leave behind a raw pit.



THIRD-DEGREE AREA REMAINS RAW, GRAFTS ARE NECESSARY

By the 16th day the patient's temperature and blood pressure are nearly normal and his kidneys are functioning well. The first- and second-degree burn areas have virtually healed. In the third-degree areas the dead matter has sloughed off, but the flesh below is raw and new skin has failed to appear. This is because third-degree burns penetrate so deeply they kill the layer of cells which should rebuild skin. Unless grafts are used to supply new skin-forming cells, the area will be overgrown by blood vessels and scar-forming cells (right), closing the wounds with thick, disfiguring tissue. These drawings were made with the help of New York's Bellevue Hospital.



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... around the clock
around the calendar



smart casual comfort—
wonderful in any weather

Whichever Alligator you choose, you'll get more of everything you want in an all weather coat! The coat you'll live in will be supremely comfortable. It will be handsomely styled. It will be water repellent or water-proof processed for any weather protection. It will be tailored of a fine quality fabric, and because it's an ALLIGATOR you know it's a great value! Better visit your Alligator dealer today and choose the coat you'll live in, around the clock, around the calendar.

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America's Luxury Gabardine
PLATINUM LABEL
Soft, smooth, luxurious all wool worsted gabardine of superlative quality. \$53.50

THE ALLIGATOR COMPANY
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LOS ANGELES



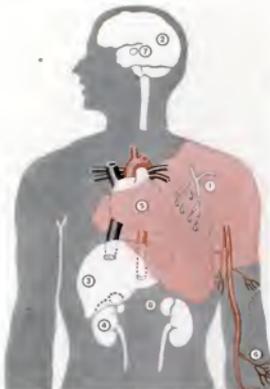
BETTER DEALERS FEATURE:

Alligator

RAINWEAR

because...IT'S SURE TO RAIN!

BURNS CONTINUED



WHAT HAPPENS IN SHOCK is shown in the drawing above. Severe burn damages tissues (1), causing the loss of blood and other body fluids. This reduces circulation to the brain (2), liver (3) and kidneys (4), which then fail to function properly. With his brain partially deprived of necessary oxygen, the patient grows groggy. To maintain the blood supply (5) to vital organs the body reduces part of the circulation by signaling the peripheral vessels (6) to contract. With circulation throughout the skin thus reduced, the patient feels cold. To combat the shock, the pituitary gland (7) sends ACTH to the adrenals (8) which then release hormones. These hormones may reduce fluid loss, promote kidney function and aid regrowth of skin. If organ failure and fluid loss continue, the patient dies. If they can be curbed in time, he will recover.



OPEN TREATMENT for burns, shown in use at John Sealy Hospital, University of Texas, exposes them to air so they will dry. Ointments and tannic acid are not used as they may actually promote infection and retard healing. Patient receives salt water, gets nutrients continuously through stomach tube.



CLOSED TREATMENT, perfected at The Medical College of Virginia, is another method of keeping burns dry, using thick, easily applied absorbent bandage to soak up fluids. Lacking hospital facilities, a burn victim should be covered with clean sheet and immediately given salt and soda water to drink.

CONTINUED ON PAGE 154

Look what you get for only ~~\$8.00~~ ^{\$8.06}

6 PIECE PLACE SETTING IN THE LOVELIEST OF ALL SILVERPLATE!

New!
MAY QUEEN

DANISH PRINCESS

SPRING GARDEN

LOVELY LADY



Loveliest of all Patterns!

Introducing the most enchanting pattern of our times . . . May Queen. This carefree new design reflects the modern spirit, with a note of old world charm. There are also, classic Danish Princess and the delicately beautiful Spring Garden and charming Lovely Lady.

All patterns made in U. S. A. by
THE INTERNATIONAL SILVER COMPANY

START YOUR SERVICE TODAY!

Buy 1, 2, 3 or more place settings this easy, inexpensive way!

Women everywhere are buying Holmes & Edwards this wonderful way! They start with one place setting or buy as many settings as they need. You don't have to wait to own this finest of all silverplate. For a very small down payment your dealer will let you take home today as many place settings as you need. 6 piece place setting \$8.06, 8 place settings, plus four serving pieces, plus beautiful chest, \$69.95.

HOLMES & EDWARDS

Sterling Inlaid Silverplate

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Stain-Shy
FABRIC FINISH

exclusive with

After Six
BY RUDOLF

Liquids just "roll off" the new "AFTER SIX" summer formals without leaving a stain. Stain-Shy discourages wrinkles - holds the smooth lines longer - saves pressing and cleaning bills! Available only in America's smartest, most comfortable summer formals - "AFTER SIX". At finer stores... from 29⁹⁰

WRITE FOR FREE DRESS CHART AND NAME OF NEAREST DEALER • RUDOLF SUNWEAR • INC • PHILA. 3, PA.

BURNS CONTINUED

MAN WHO SHOULD HAVE DIED HAS COMPLETELY RECOVERED



AFTER 11 MONTHS OF TREATMENT Gaines jumps a broad irrigation ditch on his father's farm. Even in his severely burned right leg the muscles have regained their strength, now function normally and he has no limp at all.



BACK AT WORK he mounts tractor for day's farming. Dr. Whitelaw credits recovery to ACTH. Other doctors feel Gaines' previous conventional treatment was equally important, consider ACTH experimental, possibly harmful.



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NEW FACTS ON MIRACLE-TUFT

Precision made...*protected by glass!*

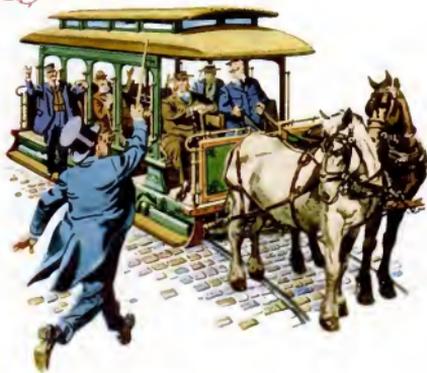
Examine them both, the miniature ship and the Dr. West's brush. The skill that went into their construction is apparent in each. Note the fine detail... the hundreds of precisely fashioned parts, each one in its proper place. The glass tube permits you to make this thorough examination and at the same time affords complete protection. This sealed-in-glass con-

tainer is your assurance that *your* Miracle-Tuft is truly a personal toothbrush. It's a precision instrument in every detail. The brush head is curved two ways to reach every tooth surface in your mouth. And its exclusive "Exton" brand bristling, waterproofed to prevent sogginess, gives extra cleansing power. It's a miracle brush throughout. See it yourself!

60°



Oh, transportation wasn't fast—



Oh, transportation wasn't fast
when horses drew the trolley



But it was sure, and it was fun
and life was really jolly



And drinks were good. And now today
you get the same, by golly—



Just tell the man you want
IMPERIAL

Hiram Walker's 93 years at fine whiskey-making makes Imperial good!

Blended whiskey. 86 Proof. 70% Grain Neutral Spirits. Hiram Walker & Sons Inc., Peoria, Ill.



PIGEON-SIZED CAHOW IS GRAY-BROWN ON TOP WITH WHITE BELLY. BEAK AND FEATHERS AROUND EYES ARE BLACK

THE CAHOW'S COMEBACK

Naturalists rediscover Bermuda bird thought for 325 years to be extinct

When English settlers came to Bermuda in the early 17th Century, they found the islands abounding in a long-winged, graceful sea bird called the cahow, a petrel found nowhere else in the world. Then a famine struck the islands and the colonists set upon the tasty, docile birds. Some settlers even died from overeating them. By 1621 it appeared that all the cahows had been devoured, and until recently the bird was officially listed as extinct. In the past 50 years, however, naturalists have come upon occasional specimens which showed that a few cahows still existed. Last January, Dr. Robert Cushman Murphy of The American Museum of Natural History and Louis S. Mowbray, curator of the Bermuda Aquarium, organized a search for them around the uninhabited islets at the eastern end of Bermuda. Within a week they had found a cahow. By the time Dr. Murphy left two weeks later, the expedition had caught five by hand, sighted 30 more in the air and discovered 17

cahow "burrows" in rocky crevices along the seashore.

Some of the cahow's mysterious habits were described in 1624 by Captain John Smith in a book about Virginia, New England and Bermuda. Wrote Smith, "The Cahow is a bird of the night, for all the day she lies hid in the holes in the Rocks, where they and their young are also taken with as much ease as may be, but in the night if you but whoop and hollow, they will light upon you, that with your hands you may chase the fat and leave the lean; those they have only in the winter." By the last phrase Smith meant that the birds nest and hatch their young in Bermuda only during the wintertime. They are there only at night. During the daytime they are out at sea, foraging for squid. In summer the cahows live at sea, sleeping at night on the waters. Bermuda's naturalists are setting aside sanctuaries where the 100 or so cahows now believed to exist may again multiply, unmolested by curious or hungry people.



A BABY CAHOW, blue-gray in color, was hatched from an egg found during the search.

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THE BIRTHDAY CARBOOSE bearing a misspelled salutation starts off on its roundabout trip through the Howell yards of the Seaboard Air Line Railroad in

Atlanta. As the parents waved goodbye to their exuberant children, one slightly worried mother said, "I only hope we don't have to pay for a wrecked carboose."



JOHNNY NICHOLS LOOKS UP THE TRACK

Life Goes on a Caboose Party

BOYS RIDE A BIRTHDAY SPECIAL

When Robert Hill Jr. was a boy 30 years ago, his father, who was a railroad foreman, gave him a party befitting a railroader's son. He bought a kettle of hot dogs, borrowed an engine and a caboose, and took his son and 15 friends for a ride in the freight yards. Last month, when their sons were about to celebrate their eighth birthdays, Mr. Hill, now an industrial sales manager in Atlanta, Ga., and a friend named Byron Nichols asked the Seaboard Air Line Railroad to make up a party train for their boys. Railroad officials fell in with the idea. At no charge they provided a six-wheel steam engine complete with engineer, fireman, conductor and two brakemen and a gaily decorated caboose. The fathers provided caps, bandanas, ice cream and cake. During the afternoon jaunt the birthday boys and their 16 guests blew the whistle, scrambled up into the caboose's cupola and generally had a highballing good time. When the ride ended, the youngest guest, a 5-year-old, remarked delightedly, "Best damn party I ever went to!"



BOB HILL III GETS A CHANCE TO YANK TRAIN'S LOUD WHISTLE



ATTACKING ICE CREAM, a group of the young guests stops racing around caboose long enough for refreshments. The total cost of party to fathers was \$42.



IGNORING CAKE, partying railroaders crowd windows while another train passes. Soon after this picture was taken, the train stopped to pick up a lost cap.



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**AT SERVICE STATIONS,
GARAGES, NEW CAR DEALERS**

Caboose Party CONTINUED



FAVORITE LOOKOUT during the ride was the windowed cupola in top of caboose. Peering down from perch are Dennis Hill (bottom) and Hilton Wall.



AT FIREBOX Johnny Nichols (left) and Dennis Hill shield faces from heat. To preserve engineer's sanity boys were only allowed in cqb in groups of five.

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STOMACH...LOSS OF AP-
PETITE...BILIOUSNESS
...NERVOUSNESS...OVER
INDULGENCE...LACK OF
ENERGY...BACKACHES,
if and when EXCESS GAS-
TRIC ACIDITY and CON-
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YOU CAN GET RELIEF

Yes, quick, pleasant ephemeral relief from these ailments when you take **CRAZY WATER CRYSTALS**—one of nature's combination of minerals principally sodium sulphate and sodium chloride. These wonderful crystals are not "manufactured." They are obtained by processing natural Crazy mineral water just as it comes from the Crazy Water Wells through an open kettle evaporation process. Crazy Water has been in constant use during the past 71 years.

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Perma-lift *Stitched cup*
bras, with "The Lift that
never lets you down,"
glorify your figure

"Perma-lift"[®] stylists have the knack of bra designing down to a fine art. Now you can enjoy the compact, youthful beauty of a Stitched Cup bra with the famous lasting uplift that only "Perma-lift" gives you. In this wonderful brassiere, the Magic Insets gently support from below—the uplift is guaranteed to last the life of the garment no matter how often you wash it or how long you wear it. For the only Stitched Cup bra with "The Lift that never lets you down," be fitted in a "Perma-lift" Bra today.

Crisp Cotton \$3.00 White
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Pert and perky is this wispy little "Perma-lift" Pantie fabulously dainty, yet marvelously strong. So comfortable too, and No Bones About It—Stays Up Without Stays—the Magic Inset eliminates annoying bones, yet it can't roll over, wrinkle or bind. Get yours at your favorite corsetiere's today, or write for name of nearest dealer.

Power Net Pantie \$6.95 White or Pink
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So Rich And Flavorful It Goes Further...Heinz Ketchup!



Thick, Rosy Heinz Tomato Ketchup—Cooked To The World's Most Valued Recipe—Is Extra Full-Bodied, Extra Concentrated! That's Why Just A Little Does So Much For Your Cooking!



YOU'LL say it seems like magic—the way Heinz Tomato Ketchup perks up gravy or livens a stew! For every thick, ruddy drop of Heinz Ketchup is so packed with rich, inviting flavor it takes surprisingly little to make a plain dish something special!

No other ketchup tastes like Heinz! That's because it's a can't-be-copied blend of Heinz own pedigreed "Aristocrat" tomatoes, fine vinegar and carefully selected spices—patiently cooked together into the richest, tastiest condiment that ever glorified a meal!

Any way you use Heinz Ketchup—on the table, in the kitchen—it's America's greatest flavor bargain!



Remember Heinz Baby Foods for quality you can count on!

• In shining Heinz kitchens, we make over 40 tasty, nourishing Heinz Baby Foods—Cereals, Strained Foods, Junior Foods—recommended by doctors!



Heinz Vinegar gives you more flavor for your money!

• Bring out the flavor of spring salads with Heinz Vinegars! They're so full-bodied they go further! Heinz makes four—Cider, Malt, Tarragon, Distilled White!



Listen To "Ozzie And Harriet" Friday Evenings Over ABC



CAREFUL INSPECTION of engine which hauled caboose is made by Bob Hill III. Railroad gave boys old steam engine because it was noisier than diesels.

CONTINUED ON NEXT PAGE

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the smooth top...*



"Perfect Sleeper"

AMERICA'S FINEST SMOOTH, MOST SOOTHING MATTRESS!

Try... You will instantly discover that particular "Perfect Sleeper" feeling... a smooth, soothing, more relaxing comfort... found in no other mattress.

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You sleep on it... not in it!

Rislone users agree!



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used... "drive forty to fifty thousand miles a year... never had to replace rings... or any major overhauls or repairs."

says Mr. Earl Stalder, service engineer, 2132 N. 17th St., Kansas City, Kansas



RISLONE

... "since 1959 in our fleet of over 100 trucks. Notice decrease in carbon and gum... quick, easy starting in freezing weather."

says Mr. M. C. Gilliam, Service Mgr., George Lee and Coal Co., Jackson, Tennessee



RISLONE

noticed improvement from start... rpm's back to normal... starts at once in any weather... haven't tied up for repairs since."

says Mr. George Liver, boatyard entrepreneur, 5601 Norfolk Road, Fort Worth, Texas



RISLONE

used for past 30 years... "definitely crossed performance... never troubled with cold-morning starting, or engine hills..."

says Mr. Ernie Steyer, wheeland farmer of Ellizabeth, Colorado

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MORE POWER
IN 10 MILES...or
Your Money Back



You can actually feel the amazing improvement in your car's performance when you put Rislone in your crankcase. This full-time super-lubricant goes right to work, absorbing gum and sludge, freeing sticking valves, restoring full compression.

And your engine purrs into peak performance as you drive. You enjoy quick starting in all weather, smooth power at all speeds. Ideal for new-car break-in, too.

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Make this Money-Back Test Today!
Put a quart of Rislone in your oil (2 quarts for larger cars). If you can't actually feel quieter, new power, new "get-up-and-go" in 10 miles—drive back to your dealer for a full refund.

When in need of Tire Tube Repairs, look for this sign and "let a man who knows how" repair them with genuine Shaler Hot Patches—the safest tube repair known.

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SWARMING OVER ENGINE after ride, boys strike historic railroaders' pose. In an hour and a half party train traveled four miles and made 20 stops.



TRACK-WALKING at the end of the party, the boys balance their way back to parents' autos. Waving on engine in foreground is a Confederate flag.

It's absolutely *Out of this World...*
 Years ahead in time-and-money-saving advantages

NEW 1951 NORGE *JET* Self-D-Froster

*Norge originated
 automatic defrosting...
 now Norge has
 perfected it!*

You hear many claims . . . but here, at last, is completely practical, *instant* defrosting. Frost is whisked away so fast that even frozen fruits and ice cream stay solidly frozen in the Freezer Chest. No "surprise" defrostings just as guests arrive. . . This defrosts itself even when you're away. For this better-than-ever Norge automatically defrosts every night. . . in *minutes!* No hidden drain pipes to clog or corrode. For only Norge has the Hand-Froster to dispose of frost water easily. . . with no muss, no fuss, no bother.

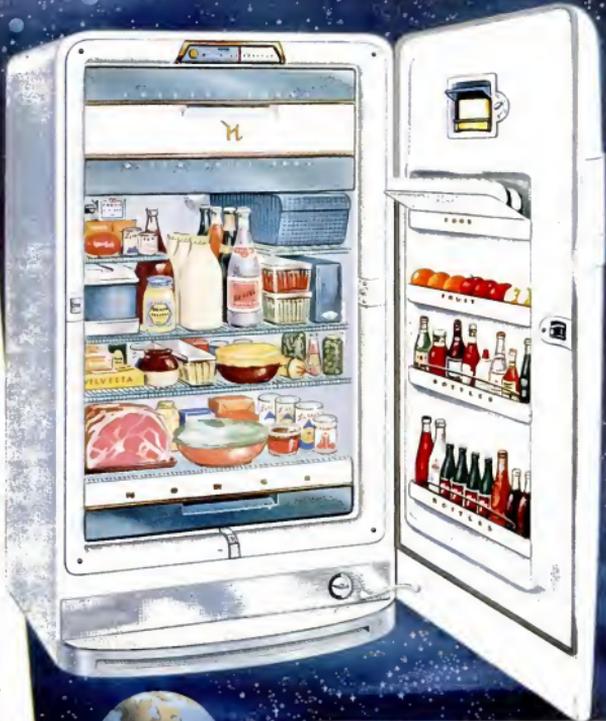
*Space galore
 from top to floor...*

- **Full-length Hand-Froster** puts extra shelves at your fingertips. Has built-in Butter Bank to keep butter spreadable. . . 2-way Egg Nest that converts instantly to another shelf.
- **Full-width Freezer Chest** stores 52½ pounds of frozen foods, and there's more space for quick cooling in the Chill-Tray below.
- **Roast-deep Meat-Keeper** holds a week's supply of fresh meat at the proper temperature.
- **3-in-1 Snack Tray** for leftovers, sandwiches, cheese. Five compact containers in a smart refrigerator-to-table tray.
- **Swing-Yourself Shelves** . . . 21 feet of movable shelf space. Swing-Shelf folds up to hold small jars, down for extra tall bottle space. Adjust-A-Shelf moves in or out, up or down to 3 different levels. Lift-out center section of lower shelf makes room for a huge turkey or watermelon, yet slides away rigid.
- **Select-A-Slice Krisper** . . . three crispers in one! Full-width gliding drawer has two removable dividers to keep fruits and vegetables dew-fresh and tidy.
- **Dial-A-Temp Cold Control** lets you dial 14 different degrees of cold instantly, accurately.

... and even that's not all!

This beautiful new Norge has an easy-fill Water Well to provide running ice water. . . a built-in Bottle Changer. . . Instant-Out ice-cube trays, one of them a Doubletray that holds 2 squares of ice cream or a party-size supply of ice cubes!

Illustrated—18.3 cu. ft. Model OSD 106.
 8 other all-new models to choose from.



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 The new "Power King" ROLLATOR



What your
 heart is to
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. . . the
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The ROLLATOR wears *IN* not *OUT!* The friction-free Rollator, with only 3 moving parts, actually *improves with wear!* The famous Norge Marathon Rollator, running continuously since 1929 (the equivalent of 60 years of home use) is still going strong! The new, smaller "Power King" Rollator uses less current to provide more cold than you'll ever need. . . yet saves precious space in your new Norge for extra refrigerated storage.

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BUCHANAN'S BIG BOUNCE

Upside down or right side up, the inverted young man who commands the rapt attention of the audience above is Ed Buchanan, the University of Michigan's champion performer on the trampoline, college gymnastics' newest competitive event. The trampoline itself is a metal frame within which a woven mat is strung by elastic cords which can snap a man into the air as high as 20 feet. In college meets like this one between Michigan and Illinois the gymnasts perform for one minute while the judges rate flips, flops and somersaults according to difficulty and graceful execution. Three years old and catching on fast, trampolining comes naturally to any student who ever bounced on a bedspring.

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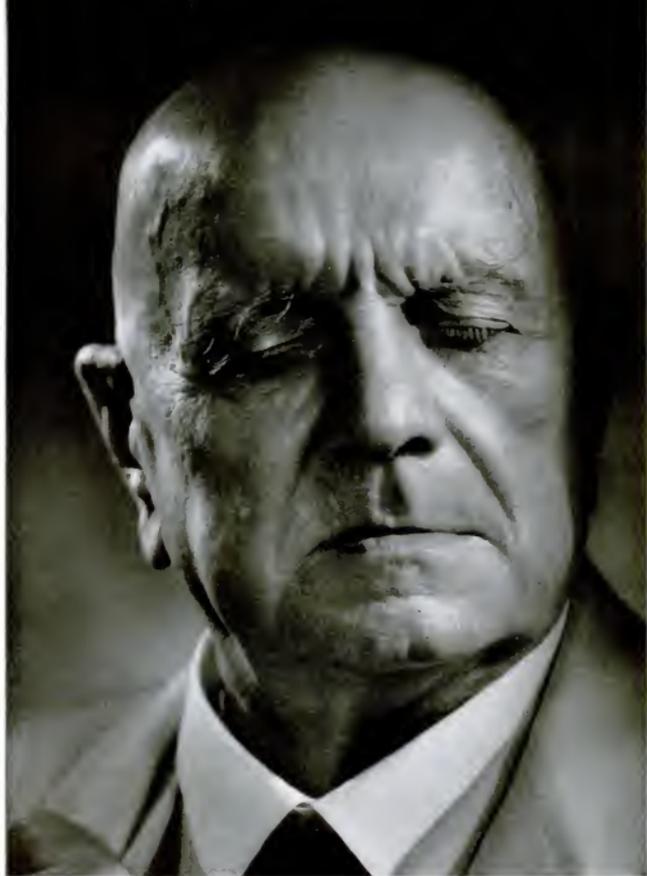
lower inset: STRAPLESS WHIRLPOOL, incomparable for bare-shoulder comfort and stayput control. In satin and net; black, white 5.00

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from LIFE, August 7, 1950, by Yousef Karsh, Ottawa

WHAT'S IN A PICTURE . . .

Jan Sibelius, greatest living symphonist, was born in Tavastehus, Finland, 85 years ago. The years, his country and his brooding music have all left their marks about his massive, deep channeled face. Here is a symbol of the hundreds of years of his country's oppressions and struggles. Here, under the craggy brows, behind the lowered lids and vein-marked temples, lies the man's genius. Is he hearing old songs of the heroic deeds by which his nation has survived? Or listening to tone poems still to be written?

Studying every line in this portrait for what it tells you of Sibelius, you are haunted by the unheard sounds of music it brings from your memory. You linger over the photograph, perhaps return to it many times.

Great photographic portraits make people seem very close to you. You could hardly be closer to Sibelius if you were shaking hands with him. And if you were actually to meet him, you would almost feel you had met him somewhere before.

. . . to see life . . . to see the world . . . to eyewitness great events

LIFE

"Of course I drink Schenley!"
says Cornel Wilde

"I want the best
—and my guests
expect it!"



For an Enchanted Evening enjoy

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*A Mark of Merit Whiskey
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ADVENTUROUS CORNEL WILDE takes many chances as a screen hero. But he takes no chances with his whiskey. "I always drink Schenley," says Cornel Wilde. "It's richer, mellow and more pleasing to the taste."



"MAKE MINE WITH SCHENLEY," says Cornel Wilde to the barman. Those four simple words assure a drink that is smoother and more satisfying. "Nothing can compare with Schenley," says Cornel Wilde.



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If you're not happy with your present brand (and a 38-city survey shows that millions are not), smoke Luckies! You'll get the happy blending of perfect mildness and rich taste that fine tobacco—and only fine tobacco—can give you. Remember, Lucky Strike means fine tobacco. So get complete smoking enjoyment. Be Happy—Go Lucky today!



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And I can tell you Lucky Strike's
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