

DEAR ABBY

TOO SENSITIVE

By ABIGAIL VAN BUREN

DEAR ABBY: Not long ago we moved from the city to the suburbs. I told my husband that everybody would be more friendly in the suburbs and that he should get out and be more friendly, too. At my suggestion he spoke to the man across the street. My husband said the man immediately started calling him "Pop". I do know that while working on our lawn, the man came over to see us and referred to my husband as "Old Pop here". My husband says he doesn't care to make friends with people like that. I think he is wrong, but he refuses to see it my way. What do you think?
FRIENDLY

DEAR FRIENDLY: "Old Pop there" shouldn't be so sensitive if he wants to make friends with

his neighbors. People have been known to call their neighbors con- sider things than "Pop!"
DEAR ABBY: I am 26 years old and have been going out with a man about 40. We love each other but his past is all messed up. He was married twice. His second wife got a Mexican divorce which he isn't sure is good here. When he was married the first time he lied about his name and the girl lied about her age so he isn't sure whether that marriage was legal or not. Then he is afraid he got married the second time before the divorce was final. There are so many complications I wonder if we can ever get married? We are waiting for things to clear up. What else can we do?
WANTING HAPPINESS

DEAR WANTING: Nothing "clears up" (except the weather) all by itself. Your boyfriend needs a lawyer to "clear up" his marital status, and if you're wise, you will clear out of the picture until everything is crystal clear.

DEAR ABBY: I disagree with the advice you gave "Heartbroken". Why should a wife have to get a new hair-do, buy a fancy negligee and throw her arms around her husband and say, "Here I am, honey!" We women still have some pride left. I have so much love in me to give and I am starving for affection. Men are about the dumbest animals in the world. STARVING FOR LOVE

DEAR STARVING: You are mistaken, Madam. The only way to get love is to give it. The dumbest animal in the world is the one who has a hankering for love but starves to death because he's too proud to help himself.
DEAR ABBY: I have been looking for the answer to this in all the etiquette books, but I can't seem to find it. Please don't think I'm ridiculous but is it proper to eat the lettuce and parsley off the salad? My friend and I were out to dine and when he finished with his salad there was not one speck of anything left on his salad plate. Is this correct?
PROPER

DEAR PROPER: It is perfectly all right to eat the lettuce and parsley in the salad. (What delightful habits we learn from the rabbits!)

CONFIDENTIAL TO BRUCE: A fellow who doesn't know what "square" means — is.

For your copy of WHAT EVERY TEEN-AGER WANTS TO KNOW, send 25 cents and a large, self-addressed, stamped envelope to ABBY care of the Big Spring Herald.

For a personal reply, write to ABBY in care of the Big Spring Herald. Enclose a self-addressed, stamped envelope.

Texas Unions Blast Report

AUSTIN (AP) — Organized labor says the House Investigating Committee's "evidence" on labor-management relations should be turned over to prosecuting attorneys.

Texas AFL-CIO President Jerry Holleman said yesterday the report filed this week with the House is "filled with misstatements, factual errors, vague charges and conclusions."

The report did "a grave injustice . . . to many good people in our state," Holleman wrote to Rep. Reagan Huffman, Marshall, committee chairman.

He said he doubted the committee conducted an investigation but "put a new gloss on ancient history."

The committee reports said the next investigating committee should look into what it called allegations that union officials stole money, were coercing \$250,000 annually in Houston, used blackmail and threats in their work.

The report did not name anyone. Holleman said the report contained a "long recitation of ancient allegations, war time do-over headlines and disproved charges which your committee used to support the conclusions and recommendations contained in your letter of transmittal to the Legislature."

Wage Talks

BROWNWOOD (AP) — The Communications Workers Union was to pinpoint its "substantial" wage increase demands in negotiations with the Southwestern States Telephone Co. today.

Little Rock Grads Are Few This Year

LITTLE ROCK Ark. (AP) — High School graduation days are coming to integration-troubled Little Rock this year but they'll be late and the number of diplomas small. Only 225 seniors will be graduated from two all-white private schools and none from a third. Once a thousand or more students were graduated each spring from the four closed public high schools.

The continuing battle over integration recently was rekindled by moves to recall the six members of the school board as a result of a teacher purge.

One faction seeks the recall of three members who ordered the dismissal of 4 teachers they had labeled integration sympathizers.

Another faction retaliated by demanding the ouster of three moderate members who opposed the purge.

A federal court fight goes on over validity of a state law under which Gov. Orval E. Faubus closed the high schools.

Whatever happens on these fronts, the classroom effect of the integration crisis soon will be over for the seniors.

Their schools are little known but fully accredited by the state educational department. They have been told their diplomas will admit them to colleges.

Two hundred of the 767 pupils in the private Raney High School will be graduated. It has been operated from public donations by a Faubus-backed corporation. The

German Plan Hurts British 'Zone' Idea

GENEVA (AP) — The West's plan for a German settlement with the Soviets diluted and all but dissolved Britain's pet project for a zone of reduced tension in mid-Europe.

This was the project British Prime Minister Harold Macmillan "sold" to Soviet Premier Nikita Khrushchev in Moscow 11 weeks ago. It would reduce arms and armies—with inspections to insure compliance—in an area roughly covering the two Germans, Poland and Czechoslovakia.

The armies in the zone straddling the Iron Curtain would gradually be reduced further. If the plan worked well, the agreement could be extended to other countries.

When Macmillan returned from Moscow, he was shocked to discover that some of his Western partners were furious at his idea.

Accordingly, the British proposals were modified to a point of seeming worthlessness to the Soviets. The scheme is now tied in to the West's package plan for gradual reunification of Germany.

The West suggests that before unification the Big Four swap information about their forces in "agreed areas" of Europe and install inspection and control mechanisms, but take no precise action to limit forces.

After unification, a zone would be created extending east and west of the Iron Curtain over areas "of comparable size, depth and importance." Her national

Sanity Hearing

DALLAS (AP)—A sanity hearing is scheduled in two weeks for Billy Joe Houston, under a death sentence following conviction on charges of raping a North Dallas housewife.

This Home Recipe Takes Off Ugly Fat

Take off ugly fat safely, easily—without starvation diet or back-breaking exercises, with this home recipe. Just ask any Texas druggist for 4 ounces of Texas Barrestrate. Mix with 12 ounces of canned grapefruit juice. Take according to directions. That's all there is to it. Mrs. Ray Buslard, 306 1/2 S. Pecos, Midland, Texas, lost 22 pounds with this home recipe.

Speed Of X15

WASHINGTON (AP)—The government officially disclosed today the expected speed of the X15 rocket research airplane — 4,000 miles an hour.

Texas telephone people think up 25,700 new ways to give you better service

Telephone employees build better jobs, too, through constant search for new ideas

By Don Davis TELEPHONE NEWS REPORTER

"I hear a strange sound on my phone. What on earth can it be?"

This was a call from a telephone customer who thought something was wrong with his phone. It was not an isolated case but one that was repeated many times. Then a Houston telephone man, one of many who had been puzzling over the problem, got an idea.

He knew the strange sound was an electrical tone, or signal, used to identify telephone lines in cable. The tone is used by telephone men who need to know which line is which as they repair damage or hook up phones. Working in teams, one man, outside, places a tone on a wire with a test set. Inside the telephone office, another man listens for the signal. Together they identify the right wires.

Only trouble was a lot of people besides the telephone men heard the tone, too. These were the customers who thought their phone was out of order.

Rummaging around a radio store, the Houston telephone man got



NEW TESTING DEVICE identifies wires in telephone cable twice as fast as before, cuts down customer complaints of noise. Determining which wire is necessary in repairing cable damage and hooking up phones. Cable Splicer Charles Thone, above, shows how the device works.

some parts and built an attachment for a test set that produced a tone so high it couldn't be heard. An amplifier inside the telephone office reconverted the tone to a signal that could be heard and the wires identified in half the time as previously. And customers no longer heard the strange sound.

In fact, this idea works so well a tone can be placed on wires even while people are talking—without causing interference, without stirring up reports of strange sounds.

IDEAS UP FROM THE RANKS

Home-grown ideas—suggestions



TRANSPARENT: Spare parts, other small items may soon be packaged in clear plastic. Installer Jerry Howell, above, shows how they'll make it easier to keep track of materials he carries on truck.



TELEPHONE OPERATORS like these found numerous ways of putting through Long Distance calls even faster. Additional ideas dealt with quicker handling of other calls, increasing office efficiency.

from telephone people on the job—happen all the time.

Last year, for example, telephone employees in Texas communities served by Southwestern Bell volunteered 25,700 original ideas for evaluation and trial. Some are being tested now. Many have already been adopted. Eventually the best of them will be passed along for use in other states—and good ideas from other states will be put to use in Texas to benefit you.

Most employee suggestions involve specific solutions to specific problems. Doubtless, no single one of them will revolutionize your telephone service. But each, in its own way, will benefit everyone who uses a telephone.

WHY IDEA HUNTING IS EVERYONE'S JOB

Telephone people never quit looking for new ways to serve you better. And for good reason.

First, because new ideas are actively encouraged. After all, the telephone itself was born of one man's great, original idea.

Second, because new ideas spur progress. Progress creates growth and growth brings more jobs, better jobs and greater job security for telephone people.

How every telephone employee gets a chance to submit ideas without interference or delay

Last year telephone people tried something new—an organized idea hunt. In every city, town and village where we operate, they met for the sole purpose of exchanging and submitting new ideas. Hundreds of such idea sessions were held in Texas. Every employee got a chance to submit his or her pet projects—with no "ifs," "ands" or "buts."

The result was an outpouring of good ideas. Many were good enough to be adopted and put into practice right away. Others, which required further examination or testing, were forwarded up the line immediately. Hundreds of the ideas submitted either had already been adopted or were still under consideration.



Employee suggestions get personal attention from department heads like General Plant Manager Budd Reinhold.

"I Just Love My CONTACT LENSES from TSO..."

says lovely Pat Kennedy, former campus queen, now a secretary.



Beautiful Pat Kennedy of Houston has worn Micro-sight Contact Lenses from TSO for two years. "I just love them," says Pat. "And I wear them all-day-long in complete comfort!" You, too, can now enjoy the comfort, convenience and better vision provided by tiny, invisible Micro-sight Contact Lenses. Visit any TSO office soon . . . Discover the thrill of letting your true eye beauty show—without glasses.

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Eyes Only For Each Other

Newlywed Eddie Fisher takes the arm of his bride Elizabeth Taylor as they walk from the plane after arriving at New York's Idlewild airport during a stopover en route to Europe for their honeymoon.

GOP Convention Votes Apportioned

WASHINGTON (AP)—The 1960 Republican National Convention in Chicago will have 1,325 delegates with one vote each under a tentative apportionment worked out by the party's national committee.

This is just two more than the computed on the basis of rules adopted at the last convention.

The 1960 total could be increased by 6 to 1,331 if Hawaii, treated as a state in the computation, elects a Republican senator or governor in its first state election next July 28.

Nominations at the national convention are by majority.

Democrats will not determine their 1960 convention strength until next fall. Their national committee is authorized to fix the basis of the apportionment, in contrast to the Republicans who must use a formula worked out by the last national convention.

Here's the way the Republicans are allocating to each state delegates to their 1960 convention:

Delegates at large: 4 (2 for each senator); 2 for each representative at large; 6 bonus delegates for each state casting a majority for the GOP candidate for president in 1956 or, failing that, electing a Republican senator or governor then or in a later election.

District delegates: 1 from each congressional district casting at least 2,000 votes for the Republican nominee for president in 1956 or for the Republican candidate for Congress in the last preceding congressional election; 1 additional delegate for each district casting at least 10,000 votes for the same candidates as above.

Under the district delegate rule, designed to stimulate GOP voting in the South, only two Southern states will fail to get their full quota of 2 delegates each per congressional district in 1960.

Mississippi will have only 1 delegate each from 4 of its 6 districts; and South Carolina will have only 1 from 3 of its 6 districts.

Mississippi's 1-vote districts are the first, second, third and fifth. South Carolina's single vote districts are the third, fifth and sixth.

The following increases in delegates:

Alabama 1; Alaska 2; Georgia 1; Louisiana 6; West Virginia 6; District of Columbia 2.

The decreases are: Hawaii 4 (this could be wiped out in the July election); Mississippi 3; Missouri 6; South Carolina 3.

Sound Waves Are Measuring Space In Caves

By ALTON BLAKESLEE
Associated Press Science Writer
TULSA, Okla. (AP)—Sound waves now are measuring the amount of space down in mother earth's cellar—in old caves, caverns and mines.

These holes are getting more and more important for safe, cheap storage gas, either for war emergency or future supply.

The big question is—how much space is there in any hole before you start cluttering up these caverns?

Sound waves, in a device like a submarine's sonar beams—are giving an accurate answer. The sounding device is displayed at the International Petroleum Exposition by Dowell Inc. of Tulsa.

Tube-shaped, it is lowered through a hole drilled into the ceiling of a cavern, cave, or abandoned salt or sulphur mine. It turns in a circle, pinging out sound waves in a horizontal sweep, and catching the echoes as they bounce back from the wall.

The device transmits a pattern showing the shape and size of the cavern, at that particular height at the ceiling, onto a TV-like shape of the hole at that point. This is done repeatedly all the way to the bottom.

The pattern of echoes shows the shape of the hole. The time it takes for echoes to return measures the distance from each wall.

In the laboratory, this is translated into plastic models of the cavern or worked-out mine. Calculations give accurate estimates of the area available for storage.

The government is using many caves and holes to stockpile medicines and other supplies in event of atomic war.

Found Guilty

FORT WORTH (AP)—Eugene Webb, 35, was convicted of murder last night and the jury recommended the death penalty.

Webb was charged with the Dec. 28 slaying of Kenneth Curson, 19,

Big Spring (Texas) Herald, Friday, May 15, 1959 3-A

Investigators Probe Explosion Of B58

FORT WORTH (AP)—Air Force and Convair Corp. investigators tried to learn today why a super-sonic B58 jet bomber exploded and burned yesterday, killing one man and injuring 13.

The sleek, 14-million-dollar aircraft was undergoing what Convair spokesmen called a "routine pre-flight check" on the ramp in front of the factory here when a series of explosions ripped through it and a huge ball of fire enveloped it.

The plane collapsed when the fire reached its landing gear.

It was totally destroyed.

Firemen found the charred body of a man tentatively identified as G. W. Johnston, 36, of suburban Lillian, inside the plane after the blast. Johnston and all the injured were Convair employees.

The aircraft was due for full acceptance by the Air Force at near-Carswell Air Force Base soon, factory officials said. They said it had been flown recently and was "conditionally accepted" by the Air Force.

J. D. Hoy, 38, design engineer,

was listed as "very critical" by a hospital.

S. A. Cauthen, 31, and R. Gagnen, electronics technicians, were seriously hurt. Others hospitalized were J. D. Kaufman, assistant foreman; B. W. Gresham and Thornton H. Beal, 42, mechanics; J. J. Strittmatter, 39, and D. L. Ingram, 32, painter.

Ingram was in fair condition. The others were listed as satisfactory. All suffered burns.

H. M. Tindel, W. A. Dunlap and N. B. Crabtree, mechanics; W. W. Killough, painter; and B. Foley, a foreman, were treated for burns and released.

The plane, weighing more than 160,000 pounds, was fueled and equipped with the "pod" beneath its fuselage which carries both fuel and bomb load.

Thirty-two pieces of fire equipment fought the blaze. It was scheduled for a test flight yesterday afternoon.

The Air Force has ordered 66 of the planes, which have a top speed of more than 1,300 miles per hour. Orders for another 40 are expected from the Air Force.

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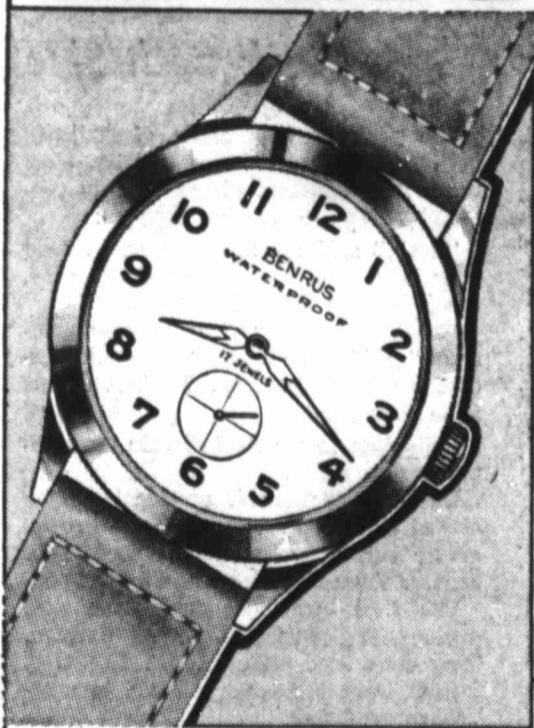
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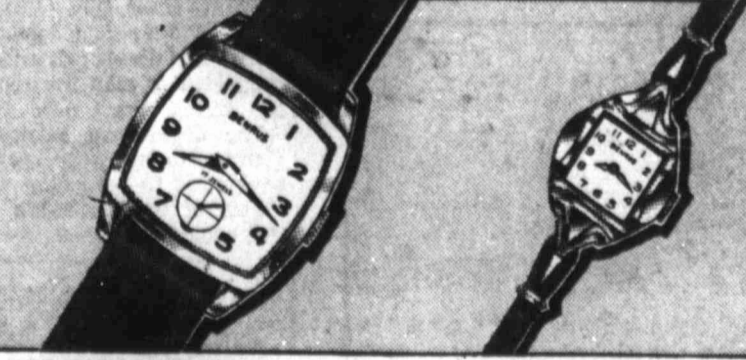
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Rugged, good looking, 17-jewel, shock-resistant movement, anti-magnetic, unbreakable mainspring. Easy-to-read dial.
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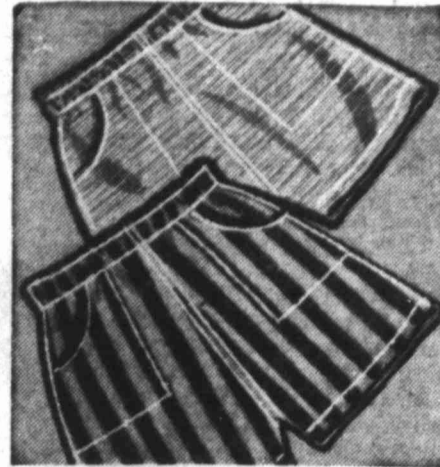
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Highly weather-resistant. Linseed oil base. Retains color, and wears evenly. Easy to apply. **46¢** per gal. in 4 gal. case lots



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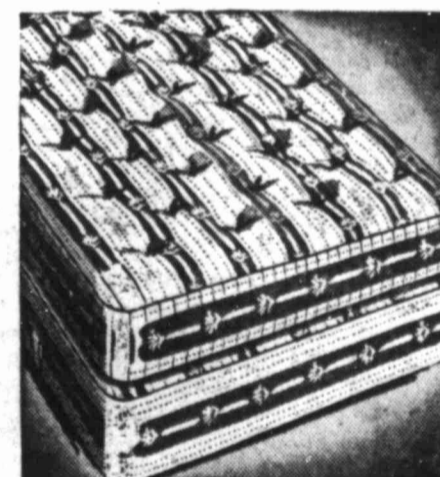
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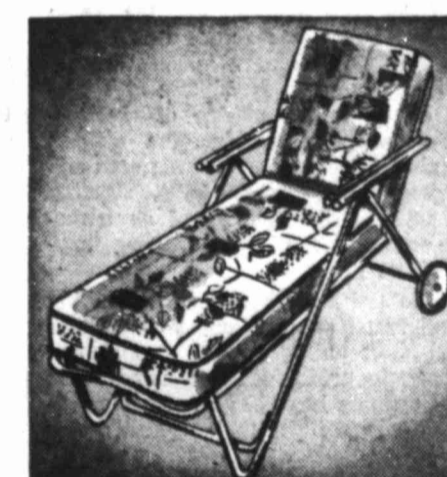
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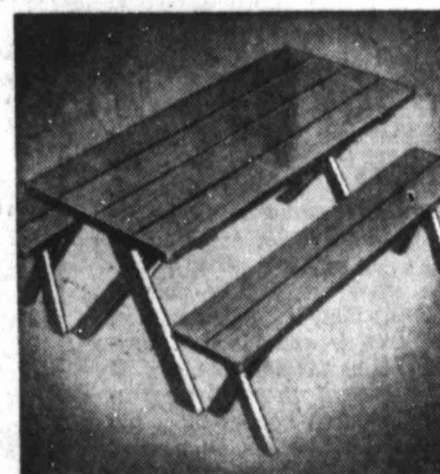
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King-O-Sleep mattress has new higher coil count—312 at the same low price! Comfortable twin or full size. Box spring... 35.88 **35.88** \$4 DOWN



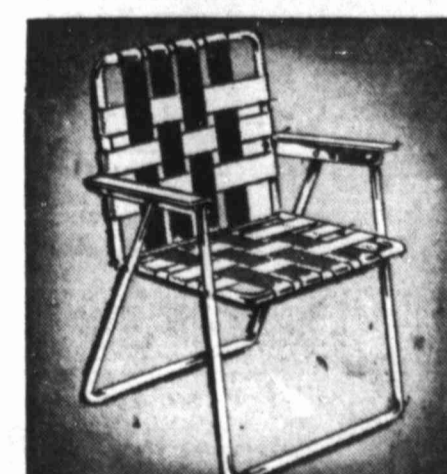
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Regularly 29.95. Large 72x26-inch frame of lightweight aluminum. Moves easily on rubber-tired wheels. Durable cover. **24.88** 2.50 DOWN



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SALE! Folding aluminum chair, regularly 6.95

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GREEN THUMB
the man with the



His garden is the envy of all the neighbors. They say it's because he has a *green thumb*.

But the truth of the matter is, he loves to see things grow . . . and he works hard to help them grow . . . and he enjoys the hard work because he finds deep satisfaction in the beauty of its fruit.

The same spirit pervades the churches of our community. Congregations thrive and souls grow in spiritual strength because of consecrated men and women who love to see this God-given growth . . . who work hard to implant Christian truth in their hearts and yours . . . who enjoy this unselfish dedication of their time and talents and treasure because they share the joy of Christ in its spiritual fruit.

Be an active church member! Volunteer for enriching service in your congregation's busy, fruitful life!

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THE CHURCH FOR ALL . . . ALL FOR THE CHURCH

The Church is the greatest factor on earth for the building of character and good citizenship. It is a storehouse of spiritual values. Without a strong Church, neither democracy nor civilization can survive. There are four sound reasons why every person should attend services regularly and support the Church. They are: (1) For his own sake. (2) For his children's sake. (3) For the sake of his community and nation. (4) For the sake of the Church itself, which needs his moral and material support. Plan to go to church regularly and read your Bible daily.

Day	Book	Chapter	Verses
Sunday	1 Corinthians	2	1-16
Monday	1 Kings	9	15-28
Tuesday	1 Kings	10	1-22
Wednesday	1 Kings	10	23
Thursday	1 Kings	11	8
Friday	1 Kings	11	9-25
Saturday	1 Kings	11	26-43
	1 Kings	12	1-15



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911 Gollad
Christian Science
1200 Gregg
Church of Christ
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14th & Lancaster
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These are the blunt facts of life
in the supersonic age, and military
services, particularly the Air
Force, are confident that the
American people will not complain
if they know these facts.

The sonic boom problem basic-
ly is one of public understanding,
with legal overtones when it is
suspected or proven that property
damage was caused by military
aircraft.

At the outset, in the days of
slower aircraft, it was possible to
go faster than sound by diving a
fighter plane, such as the North
American P-48, and directing the
boom at an air show crowd or
the wastes of a desert.

That was the point where the
boom was a curiosity, one that
got out of bounds from time to
time and smashed some windows.
The public got the general idea
that the boom was created as a
single clap of thunder when the
pilot passed through the heavily
publicized "barrier" that faced
him when he reached Mach 1, or
the speed of sound.



DRAWINGS EXPLAIN TWO TYPES OF SONIC BOOM
Noise is here to stay with modern, supersonic planes

The Noise You Hear (Or Soon Will) Is A Sonic Boom, And They're Here To Stay

If you've never heard a sonic boom, it won't be long before you do.
And you won't have to visit an air show or live close by an air base. It may awaken you from your sleep; it may set the dishes rattling in the cupboard at any hour of the day or night, no matter where you live.
That's the word from "Air Force," the magazine of aerospace power. In an article by Claude Witze, the magazine says the sonic boom has grown up. It's no longer an isolated phenomenon, a stunt performed by a diving fighter pilot to impress the crowd. The boom is becoming part and parcel of the day-to-day operations of the Air Force, an inescapable element of straight and level flight at supersonic speeds, says the magazine.

CHICKENS ARE SAFE
This means the boom is not strong enough to inflict structural damage on the flimsiest chicken coop. Tests have shown that it takes a pressure of seventy or more pounds to damage ground buildings. In fact, tests with nuclear explosions have shown that it takes 150 to 300 pounds a square foot to damage brick or frame building construction.
The strongest sonic boom pressure ever recorded was thirty-three pounds per square foot, measured on a mountain top, with the aircraft only 290 feet away.
But when people hear a noise that is roughly ten times as loud as a thunderclap they immediately start looking for damage, and USAF's legal officers are faced with claims.
It is essential, under existing law, that USAF be concerned only with damage honestly caused by its own planes. In an area such as southern California, where as many as ninety supersonic aircraft may be in the air at a given time, this leads to serious complications, and conflicts. Those that are not USAF's responsibility must certainly be sent on missions by the Navy or the local aircraft manufacturers. The Air Force, then,

must—to stay within the law—have no doubt that a USAF airplane caused damage.
WHICH PLANES
Under existing law, claims must be settled by the perpetrator, USAF, Navy, or manufacturer. But it is difficult in some cases to identify the airplane that broke a window.
Last year a bill was offered in the House of Representatives that would authorize the Department of Defense to pay damages resulting from glass breakage caused by noncombat military operations, regardless of which service was responsible. The bill died in committee but is expected to be proposed again in the Eighty-sixth Congress. The bill is supported by USAF.
The Air Force has a general policy that is followed in facing demands for payment:
Plate and window glass may be broken by sonic shock waves. A substantial percentage of all window panes have internal stresses left there in manufacture or imposed when the glass was mounted in the frame.
Light bric-a-brac may be shaken or vibrated from shelves.
Loosely latched doors may be pushed open and damaged.
There is a possibility of aggravation of existing plaster cracks

only when extensive damage is present. Without extensive glass breakage, aggravation of existing plaster cracks is unlikely.
Structural damage to foundations and load-bearing walls is practically impossible.
No sonic boom pressure is strong enough to injure a person.
For a long time, with only a few aircraft capable of creating this kind of public distress, the Air Force managed to minimize the disturbance. A system of close control over flight plans and altitudes, avoidance of heavily populated areas, and a curb on speed have doubtless reduced some of the public reaction, but the flood of complaints still is rising fast.
The day is here, in 1959, when the sonic boom will become a part

Big Spring (Texas) Herald, Friday, May 15, 1959 11-A

of our lives. It is a problem that no longer can be alleviated by the operations officer of a fighter or bomber wing.
The advent of Mach 2 aircraft in USAF and Navy operational inventories, on top of slower but still supersonic jet interceptors and bombers, will make such controls impossible. These aircraft create sonic booms in level flight, continuous noise, following the entire flight path.
For the Air Force the problem first started to get critical in the New England area when Lockheed F-104 interceptors were made operational at Westover AFB, in Massachusetts. Following a strict flight pattern, laid out to avoid major cities in that area, the '104s have been operating out of a corridor that cuts over southern Vermont.

major metropolitan areas, will be used as targets in simulated bombing raids carried out at supersonic speeds. The cities will be chosen for excellent reasons that have to do with their terrain and climate and the physical characteristics of major structures, rivers, harbors, and the like.
It will not always be the same thirty cities. In each practice target area there will be installed a Radar Bomb-Scoring Site. The sites will be moved from city to city as SAC exercises necessitate.

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TEXAS CHAMPIONS OF FREEDOM
"BIGFOOT" WALLACE
Friend and Defender of the Young Republic
Loyalty to his clan brought William Alexander Anderson (Bigfoot) Wallace to Texas, and his loyalty to Texas enriched the history of his chosen country. Born in Lexington, Virginia, in 1817, Wallace set out for the Southwest in 1836, to avenge the massacre of a brother and a cousin at Goliad. Later he told his friend and biographer, "Texas John" Duval, that he believed the account had been squared.
Wallace was a magnificent physical specimen... 6 feet 2 inches tall in his moccasins, 240 pounds of bone, muscle, courage and humor... a melow and convivial soul except when it was time to fight Indians, Mexicans or outlaws. He loved to sit in the shade and tell about such sights as the last buffalo run down Austin's Congress Avenue. But Texas history records him as a fearless soldier, scout, hunter, Ranger throughout the years of the
Republic and those of the Civil War and Reconstruction. For many years he lived as he liked, and re-lived in tall tales the old days of free ways and free land... Bigfoot Wallace died January 7, 1899.
Today Texans still demand and get their right to choose the way they want to live. In this vigorous and freedom-minded homeland... "Beer Belongs" and this is why the United States Brewers Foundation works constantly, in conjunction with brewers, wholesalers and retailers, to assure the sale of beer and ale under pleasant, orderly conditions. Believing that strict law enforcement serves the best interest of Texas, the Foundation stresses close cooperation with the Armed Forces, law enforcement and governing officials in its continuing Self-Regulation program.
Texas Division, United States Brewers Foundation,
206 VFW Building, Austin, Texas
Our sincere appreciation to the Hondo Avul Herald for historical assistance.

To the man who may have stopped looking ahead

(without really meaning to)

You're not the sort of man who deliberately closes his eyes to the future. Not at all. In fact, you started buying U. S. Savings Bonds because you knew they could mean a better life for you and your family in the years ahead.

Bonds reached an all-time high—over 42½ billion dollars. Despite the "recession", they bought more Bonds—and cashed fewer—than the year before.

But then something happened. For one reason or another, you lost the Savings Bond habit.

Americans know regular savings is the surest road to a secure future. And there's no better, safer, easier way to save than with U. S. Savings Bonds.

And yet today there is more reason than ever to invest in Bonds. And millions of Americans know it. In 1958, the amount of money they owned in

Think it over. Isn't it time you got back into the Savings Bond habit—and started looking ahead again?

- Facts you should know about U. S. Savings Bonds
- 1 Bonds are as safe an investment as you can make. The government guarantees them.
 - 2 They pay more interest than ever, and E Bonds mature in less time than ever.
 - 3 You can buy Bonds through the Payroll Savings Plan; or where you bank; or where you go to school, through the School Savings Plan for U. S. Savings Stamps.
 - 4 Bonds are indestructible. If your Bond is lost, stolen, or mutilated, the government replaces it free.
 - 5 Any bank will cash them—but the average saver tends to hang on to his Bonds. So chances are you won't find yourself frittering away Bonds—but will hold them until you really need the cash.
 - 6 Bonds help strengthen America's Peace Power. Peace costs money. Money for military and industrial strength. Money for science and education. Money saved by individuals to keep our economy strong. That's why every Bond you buy helps strengthen America's Peace Power at the same time it's helping build your personal financial security.



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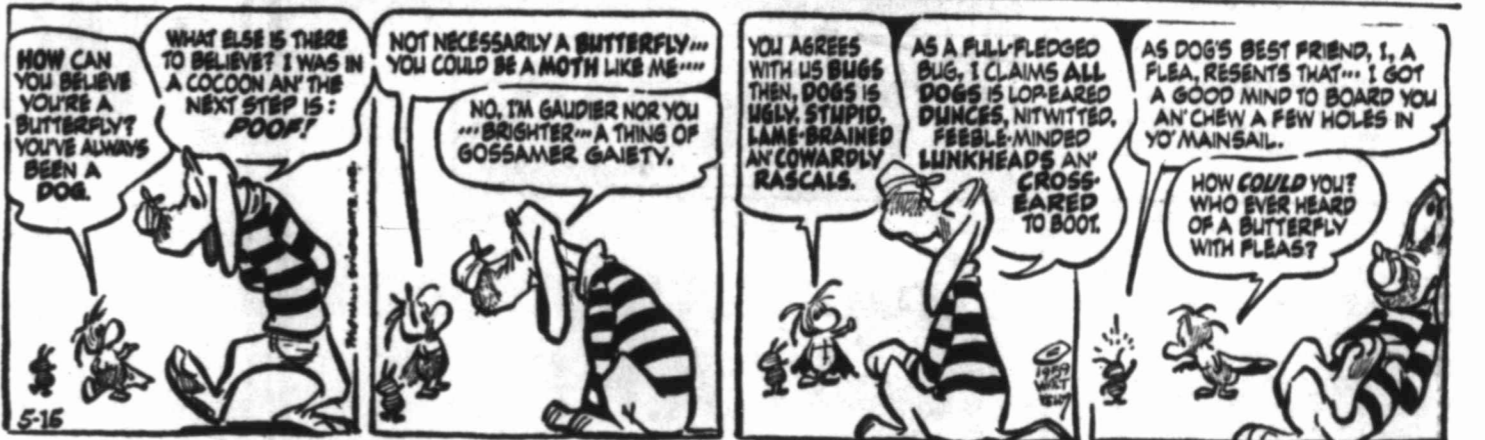
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"My wife expects me to bring home a bigger salary than you offer, sir... or she'll wonder whether putting me through college was worthwhile!"

Crossword Puzzle

ACROSS 1. Came to rest 4. African village 8. Seat in church 11. Dutch commune 12. Pucker 13. Chopping tool 14. Drudgery 16. Zest 18. Undisturbed 19. A U.S. chief justice 20. Nurtured 21. Noise of flying missiles 23. Horseman's good 25. Companion 26. Behold 27. Entire quantity 28. In what place 29. Chess pieces 30. Goddess of earth 31. Not those 32. Passing fashions 33. Smoothest 35. Balloon basket 36. Opposing parties 37. Grumble 40. Prepared meat for preservation 41. Abate 42. Potential metal 43. Loamy deposit

DOWN 1. Smaller 2. Slothful 3. Weeping 4. Stage of life 6. Desire 47. Heraldry 48. Played a first card 1. Flower 19. Coast 21. Get by effort 22. Eternities 23. Wise man 24. Happiness 25. Game of skill 28. Cajole 29. Warlike 31. Motion of the sea 32. Oily substances 34. Alluring woman 35. Baby bears 37. Reflect in silence 38. Verge 39. Coarse grass stem 40. Bashful 41. Harden 44. Ahead



The Herald's Entertainment Page Of Top Comics

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BARNES-PAGE Big Spring's Progressive Realtor 20th & Gregg AM 4-6598

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FOR RENT OR LEASE 3 Bedroom brick, recently redecorated, carpet, large yard, storage room, wired for 220, hookup for automatic washer.

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WATERING DEALER - B. F. Sims, 1004 South Gregg. Free delivery. Dial AM 4-2608.

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HELP WANTED, Female F2 AN EXPERIENCED cook and housekeeper. 3 adults. Live in or out. Thursday and Sunday afternoons. Mr. Kozits, AM 4-4142.

SALES LADY We will have an opening in our Jr. Shop in the sales department. Permanent position. Good pay, paid vacation, liberal employee discounts and other benefits.

Redwood Fencing 1x6 Per 100 Bd. Ft. \$13.30 1x8 Per 100 Bd. Ft. \$13.30

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Brass Ensemble, Choir Set Concert

The Brass Ensemble from Big Spring High School and the HCJC Choir will combine for the first time in a concert Sunday. The event will begin at 4 p.m. in HCJC Auditorium.

The ensemble will play two selections, and the choir will present Schubert's "Mass No. 4 in C," the first time that this work has been performed locally. The ensemble, made up of band members, is under the direction of high

school band director Douglas Wiehe, and the choir is led by HCJC music instructor Ira Schantz. Soloists for the choir number will be Joyce Howard and Marilyn Newsom, sopranos; Ruth Ann Stephenson, mezzo-soprano; Robert Clinton, tenor; and Hubert Murphy, bass. Murphy is a student at HCJC, the others being guest soloists.

The program is open to the public, and there will be no admission charge.

Ike Meets With Union Chieftain

NEW YORK (AP) — President Eisenhower and the head of the steelworkers union met privately for half an hour Thursday.

Both White House Press Secretary James C. Hagerty and David J. McDonald, president of the United Steelworkers of America, declared the steel industry situation was not discussed.

There was no public comment by steel industry leaders about the session, which came in the midst of contract negotiations aimed at averting a strike by 500,000 workers when contracts expire in the basic steel industry June 30.

Iraq Officially Cuts Off U.S. Aid

BAGHDAD, Iraq (AP) — Iraq is officially cutting all association with the Eisenhower doctrine, which offers aid to Middle East countries threatened by Communist aggression.

Premier Abdel Karim Kassem said Thursday the Communists were his friends but that he wants to remain friendly with Western nations too.

Kassem's announcement that Iraq will withdraw from the Eisenhower doctrine came as a surprise because the doctrine has been considered a dead issue here since Iraq quit the Baghdad Pact.

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MR. AND MRS. JAMES MICHENER He has a love affair with the Islands

Michener Book Is Monumental Work

By ROBERT TUCKMAN HONOLULU (AP)—James A. Michener has just written a new love story, a monumental novel he calls "a love story between me and a bunch of islands."

For the author of "Tales of the South Pacific" to write about islands is scarcely news, but this one is his biggest so far and he has moved his locale up to the mid-Pacific, to the Hawaiian Islands.

His new book is titled simply: "Hawaii."

It runs 400,000 words, or some 800 pages.

"I think it is the best thing I've done," says Michener. "Certainly, it's the most ambitious thing I've done. I've been working on it for about three years. I started the final draft on May 1st of last year and I worked on it every day until last March 1st, except for a trip I made to San Francisco for four days."

"It is a story of how Polynesians, missionaries, Chinese and Japanese came to these islands and learned to live together side by side," he said.

"It has two climactic moments — on Pearl Harbor day, Dec. 7, 1941, and in the elections here in 1954 when the Democrats for the first time in 56 years came into any kind of power."

"I doubt if it can be serialized or made into a movie. The characters are too numerous and they change too fast."

ISLANDS ARE THEME
"The underlying thread in the book is the islands. They remain, and the people change."

"I think it is a major work, a real effort."

Michener, 52, wrote the book — his 12th — in a small office he maintains in the same eight-story apartment building at Waikiki Beach where he lives with his attractive wife, Mari.

"I got up at 7:30 every morning," he related "ate a couple of slices of pineapple, put on a pair of shorts and went to work. I admitted no interruptions. I have no phone in my office. I really went into an isolation chamber. I worked until noon, then knocked off. I never worked in the after-

noon and only rarely in the evening. In the afternoon, I went beaching and I took a five mile walk every day to keep my weight (176 pounds) down."

"The purpose of the book is to explain why Hawaii is the wonderful place it is. It deals with how people and ideas got here and how the people learned to live together in harmony. There are four families, and the book follows their fortunes."

"It would make a good movie but I don't think it is suited for it because it would take about nine hours to show it."

Prior to writing "Hawaii," Michener wrote four novels including "Sayonara" and "The Bridge at Toko-ri," and seven works of non-fiction.

"I mailed 'Hawaii' to my publishers on March 12—the day the Hawaii statehood bill was passed by Congress," he said. "I expect it to be published in October."

Statehood also made Michener change his legal address from Bucks County, Pennsylvania, to Honolulu.

CHANGED RESIDENCE
"I have been here quite a while," he said, "but under no circumstances would I have changed my legal residence when I did not have the vote (for president). On the day Hawaii got the vote, I changed it."

Michener has been highly active in local politics and there's been talk in Democratic ranks of asking him to run for office. So far, he has resisted this.

"I used to teach political science," Michener explained, "and I am deeply interested in it. The only function I see for myself is to be an interested member of one of the political parties. On the day I moved my legal residence here, I joined the Democratic party."

"By and large, writers are not logical people to run for office. If you write and speak the truth, you hurt enough feelings so that you can't run for office. I have no capacity for it. I will work very hard to help other people."

But, with Hawaii's first state elections coming this summer, there are some who think James Michener may still run for office.

Five Girls In Queen Contest

LAMESA — Five girls, students at Lamesa High School, have announced they are candidates for Lamesa Rodeo Queen. Queen for the rodeo will be determined on ticket sales of the candidates and each is sponsored by a business firm or civic club in the area.

Jean Stone, 18, daughter of Mr. and Mrs. H. M. Stone will be the candidate sponsored by the Evening Lions Club. She is a senior.

Vicky Roberts, 15, a sophomore, is being sponsored by Peterson's Grocery. She is the daughter of Mr. and Mrs. Charles Roberts of Midway.

The nominee of the Lamesa Noon Lions Club is Tommy Nell Griffin, daughter of Mr. and Mrs. T. C. Griffin, 905 N. 9th St. Tommy Nell is 17 years old and a junior.

First entry in the contest was freshman Iris Swann, 15, daughter of Mr. and Mrs. Claude Swann. She is sponsored by Key Mercantile.

Karen Applegate, 16, is sponsored by the Lamesa Jaycees. She is 16 years old, a sophomore, and the daughter of Mr. and Mrs. Stanley C. Applegate.

IN AN EMERGENCY

... disaster wears many guises, but against all of them the CIVIL DEFENSE stands ready to help.

IN A FINANCIAL EMERGENCY

SOS for S.I.C.

Financial troubles, too, wear many guises — from actual emergency to the simple need for extra cash to carry out a worthwhile project. In each case, S.I.C. stands ready to help... with service that's fast, confidential!

WHATEVER YOUR NEED FOR C.A.S.H. MAY BE... JUST SOS-SIC

SOUTHWESTERN INVESTMENT COMPANY

410 East Third Phone: AMherst 4-5241

'Lonesome' Killer Admits Slaying

STE. GENEVIEVE, Mo. (AP)—A young killer who got so lonesome for his mom on Mother's Day that he broke jail to see her has been sentenced to 30 years in prison for slaying his uncle.

Billy Glenn Newhouse, 28, of Desloge, Mo., pleaded guilty to first degree murder Thursday for the rifle killing of James L. Huskey, 58.

WE PAY YOU TO SAVE **3 1/2%** DIVIDENDS PER YEAR

First Federal Savings & Loan Assn.

500 Main — Dial AM 4-5232

NEW! HUMBLE NEBULA EP-1 GREASE CARTRIDGES

The NEBULA EP-1 grease cartridge eliminates the worst part of greasing—the messy job of refilling the grease gun from a pail. Just slip the caps off the cartridge, insert it in your grease gun, and you're ready to grease any fitting. There's no waste of grease, and no possibility of dirt or foreign matter getting into the grease.

NEBULA EP-1 is an outstanding multi-use grease. Its exceptional resistance to the effects of heat, water, oxidation and heavy loads makes NEBULA EP-1 top choice for equipment that works outdoors where rain, moisture, dirt, dust and high temperatures are encountered.

SPECIAL INTRODUCTORY OFFER!

Free lever-action grease gun with every 60-cartridge case of NEBULA EP-1 purchased. But hurry—deadline on this special offer is August 1, 1959.

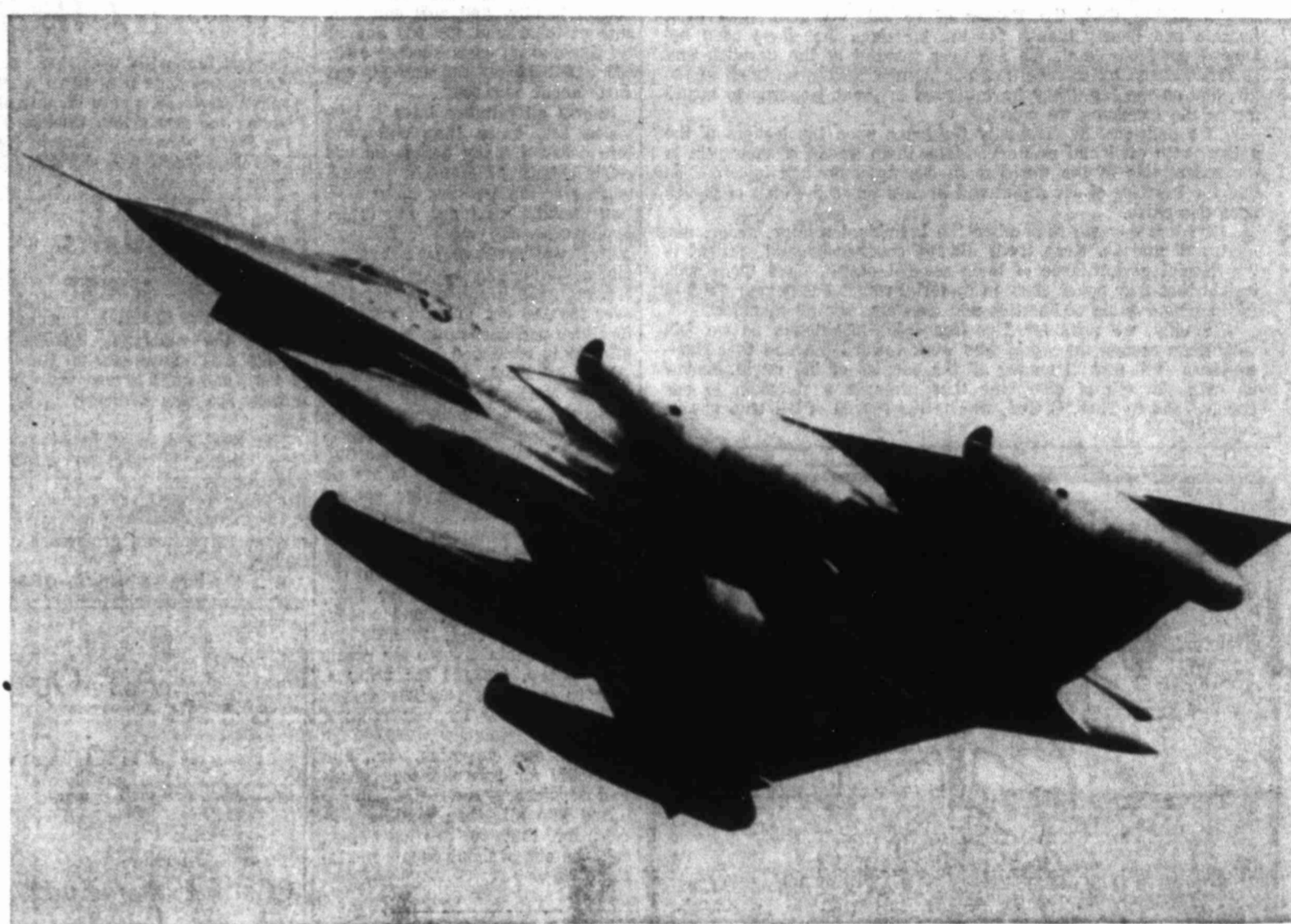
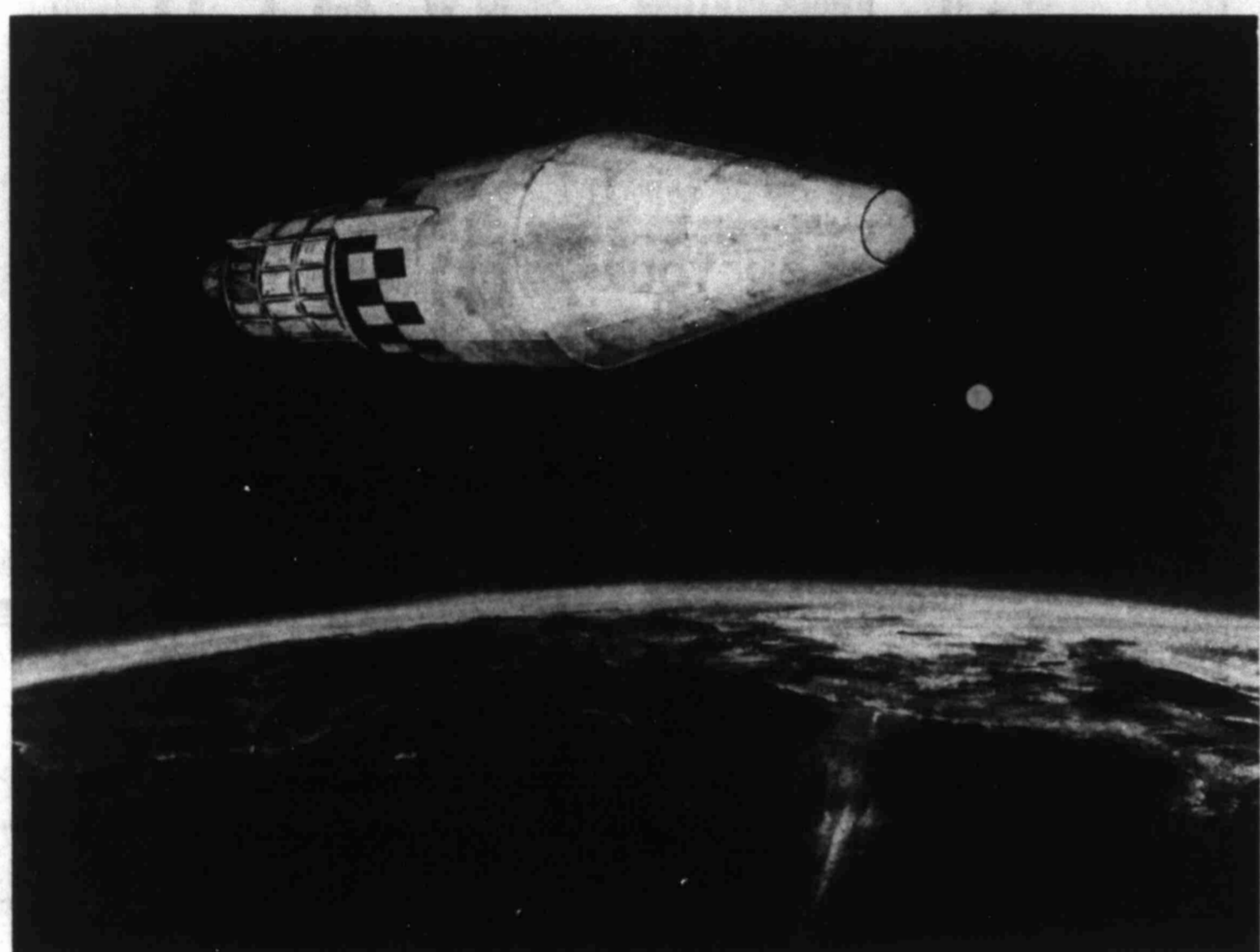
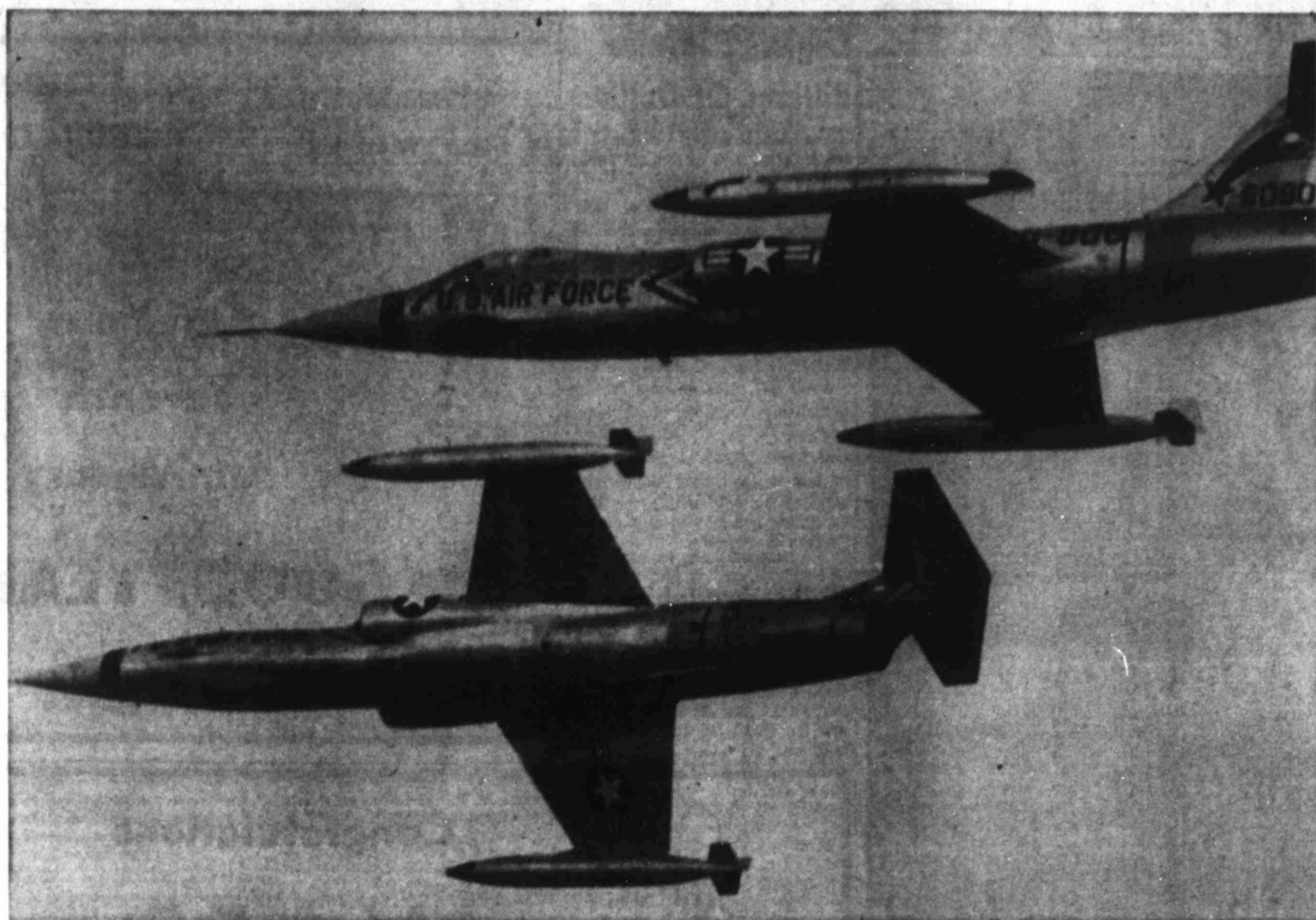
HUMBLE OIL & REFINING COMPANY

FOR quick delivery of NEBULA EP-1 grease cartridges, call me —

FREELAND AUSTIN

3RD & BELL BIG SPRING, TEXAS PHONE AM 4-5581

HUMBLE OIL & REFINING COMPANY

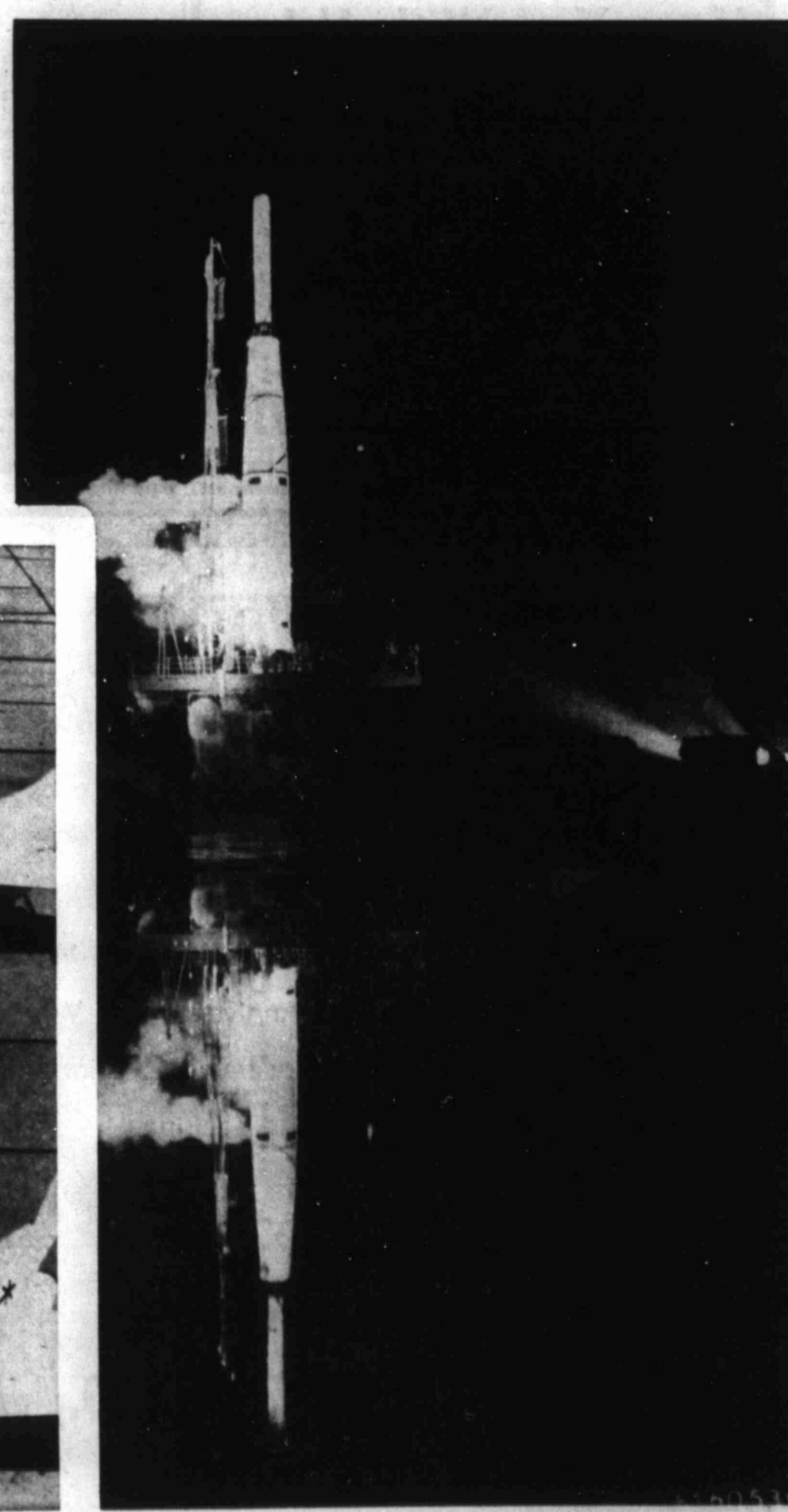
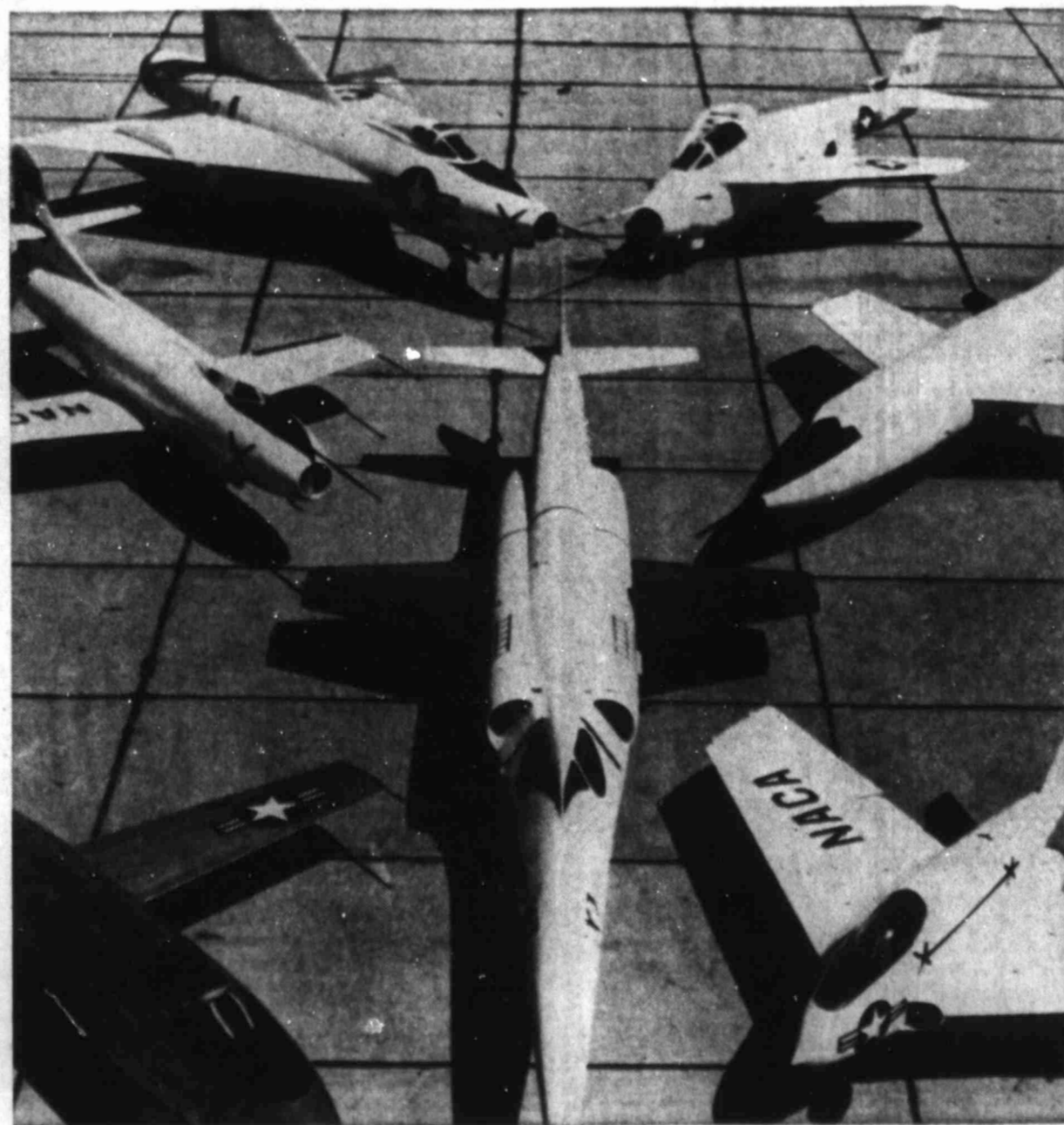
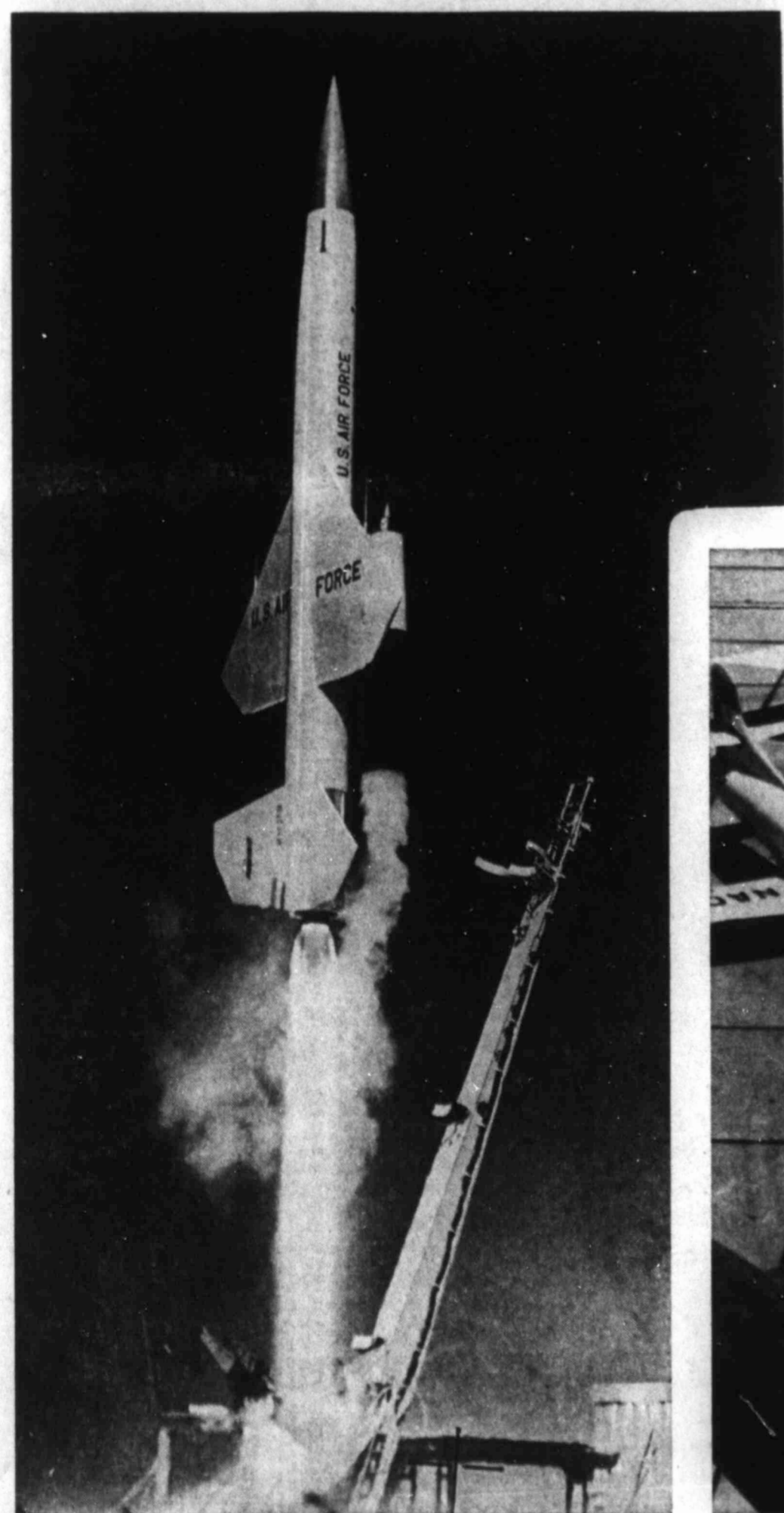


AIR POWER FOR PEACE

Possessed of great flexibility, tremendous speed and ability to strike anywhere on the globe, the United States airpower indeed is a power for peace. Examples of this great versatility and modernity are pictured here. Upper left is the super-sonic F-104C Starfighter, upper right the B-52 global Stratofortress. In center left is an artist's conception of the Discoverer, a 13,000-pound 5x19 ft. missile will appear above the earth, while in center right is the futuristic B-58 Hustler, another global supersonic bomber. Below left is the Air Force's B-61 guided missile leaving its launching site. Lower center presents a cluster of latest experimental planes, and lower left is the Air Force Lunar Probe immediately before firing into space. (Official Air Force Photographs.)

Big Spring Daily Herald

Armed Forces Sec. Big Spring, Texas May 15, 1959



DIVIDENDS
PER
YEAR
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1952

581
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Dollar Spread Over Big Area By Webb Families

The dollar of Air Force personnel suffers the same fate as of any other citizen, a study by the Webb AFB comptroller's office shows.

It is chopped up into pieces to satisfy such fundamental needs of families as food, shelter, clothing, utilities, transportation, appliances, furniture and services. Twenty-two cents out of every dollar goes for food, nine cents for clothing and shoes, 12 cents for rent and another 3 per cent for house payments. Four cents goes for utilities, seven cents for car (new and used) purchases, five cents for gas and oil, two cents for repairs, 12 cents for major appliances, four cents for furniture and carpeting and 20 cents for services and miscellaneous uses.

This is pretty much the picture after the average Webb family takes around \$905,000 of its net income for savings.

The heavy end of the remaining \$8,233,000 goes directly or indirectly into local trade channels. (The figures do not include single officers and airmen and others living on the base, or the 740 base civilians, most of whose annual \$3,373,000 also enters the local economy.)

Here are some interesting facts revealed in the study:

Webb AFB has a total population of 2,575 military personnel. Approximately 64 per cent are married, and of this number 59 per cent, or 1,523 reside with their families locally or in the immediate area. By adding dependents—2,413 children and 1,523 wives—the family total is 6,535, or one in five of the city's population.

Approximately 32 per cent of the total children, or 780, are enrolled in schools. Another 66 per cent of 1,608 are under school age and the remaining two per cent have completed school, are in college, etc. That this population tide is continuing is evidenced by the record of 219 births at the base hospital last year, and this year the rate is about 20 per cent higher. Totals do not include babies of the families born in local private hospitals.

Average income of the families is \$500 per month, making a net income of around \$9,138,000. As mentioned before, the average family puts aside \$49 per month or \$588, a year.

Seventy per cent of the families have checking accounts, mostly

locally. One third have saving accounts, half in local units. More than a fifth buy bonds regularly and over a third save through the base credit union.

Like all other families, the biggest bite out of the Webb family income goes for food—an average of \$97 per month, \$1,164 per year—an aggregate of \$1,800,000, half spent directly in regular retail outlets and the remaining half indirectly through wholesalers supplying the base commissary.

The average family spends \$30 monthly on clothing, excluding footwear. To this \$548,000 bill is added another \$150,000 for shoes.

Rent requires about \$70 per month on the average, which is \$840,000 monthly or about \$1,008,000 per year. Eighteen per cent of the families are buying their homes at the same average of \$70 per month, and they pay a little over \$229,000 annually, plus about \$12,000 per year for repairs, etc. Utilities average \$18.55 monthly (\$6.90 electricity, \$6.65 gas, \$5.00 water) for a total of \$337,000 per annum.

Again the Webb picture is pretty typical when it comes to transportation. Based on one vehicle per family, 98 per cent of the families own automobiles. About 51 per cent, or 777 families, are paying on a new car in any year to the tune of about \$500,000. Three-fourths of the cars are bought locally, and new and used amount to around \$600,000 annually. Gas and oil costs another \$400,000 annually, plus about \$12,000 per year for repairs, etc. Utilities average \$18.55 monthly (\$6.90 electricity, \$6.65 gas, \$5.00 water) for a total of \$337,000 per annum.

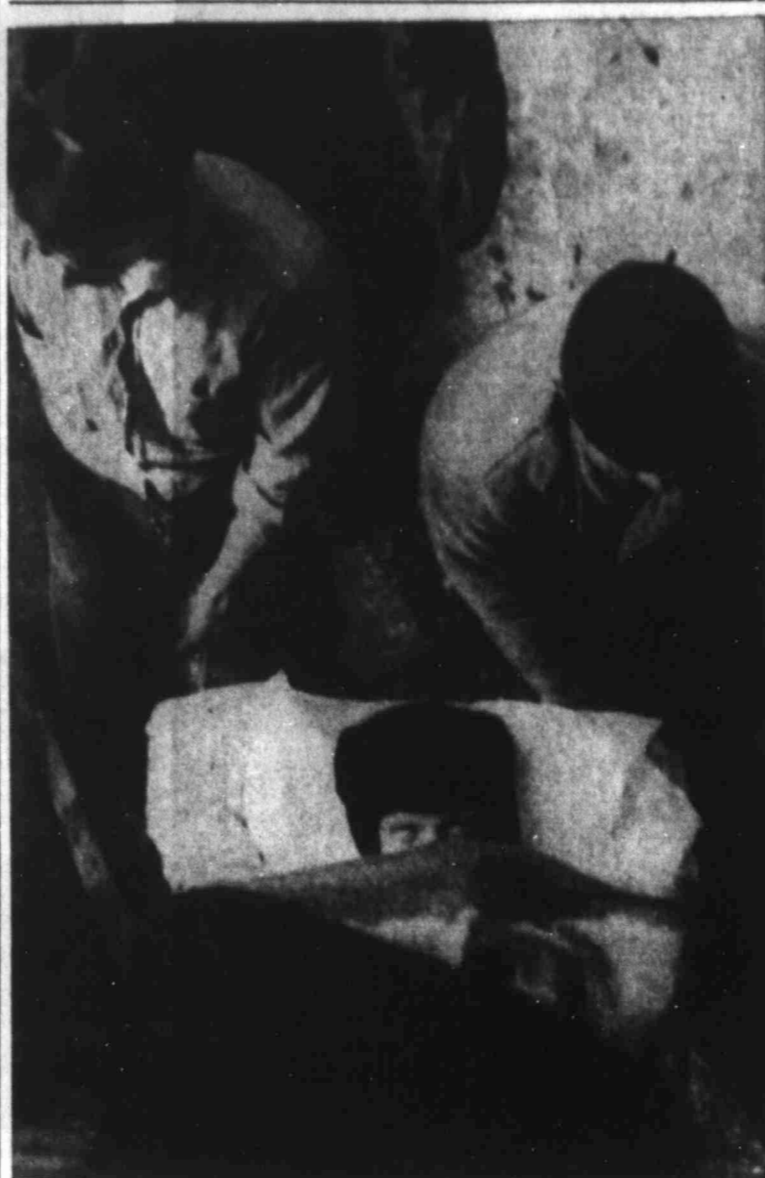
Nearly all families have a television set, more than refrigerators because many homes include refrigerators in rentals. Three-fourths of the families have their own washing machines. For major appliances such as TV, refrigerators, washers, cooking ranges, air conditioners, vacuum cleaners, etc., the families expend just over \$900,000 per annum. For new furniture and carpeting, etc., some \$365,000 is expended here.

Beauty shops, barber shops, drug stores, hardware stores, variety stores, appliance repair shops, restaurants, theatres, recreational establishments, sporting goods dealers, etc. share in around \$2,000,000 per annum for special goods and services.

The preponderance of Webb family expenditures, directly or indirectly are in local trade to the tune of some \$1,800,000 for food, \$700,000 for clothing and shoes, \$1,000,000 for rent, \$229,000 for house payments, \$12,000 for repair and upkeep, \$337,000 for utilities, \$600,000 for cars, \$400,000 for gas and oil, \$150,000 for car repairs, \$501,000 for appliances, \$365,000 for furniture and carpeting, etc., and \$2,130,000 for miscellaneous goods and services.

And like all other families, except for that 10 per cent nest egg, the outgo about equals the income.

Big Spring (Texas) Herald, Friday, May 15, 1959



A Helping Hand

Evgenij Ivanovich Gneushev, 23, injured Russian seaman, is carried unconscious in a litter to the rescue ship, U.S. Coast Guard cutter Storis, in a rare display of U.S.-Russian teamwork aimed at saving the man's life. Gneushev was carried to Dutch Harbor on the Storis, then was flown to Elmendorf AFB Hospital at Anchorage. He suffered a brain injury in a fall into the hold of a Russian fishing ship about April 4.

Redstone Units Now In Europe

Activation of the first Army unit to fire the supersonic Redstone missile was announced in March of 1956, and units armed with the missile are now stationed in Europe.

The Redstone, a surface-to-surface missile is used to extend and supplement the range and firepower of artillery cannon. It is capable of delivering both atomic and conventional projectiles on target.

It is the largest ballistic guided

missile employed by the Army and was developed under supervision of Dr. Werner von Braun, developer of the German V-2 rocket.

Smaller, Lighter Missile Is Planned

The Pershing is a solid propellant ballistic missile development for the Army field forces. The new missile will be smaller, lighter, and more mobile than the operational Redstone missile. Work was begun on the Pershing in January of 1958.

Logistics Involve Billions Of Dollars

The Air Materiel Command is the logistics arm of the Air Force. In everyday language, this means that it must buy, store, transport and maintain the aircraft and equipment used by the United States Air Force.

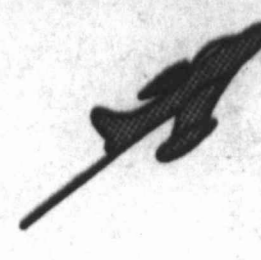
The command also buys the equipment for more than 30 nations in the Mutual Assistance Program.

AMC activities involve billions of dollars, thousands of airplanes, 1,300,000 kinds of supply items and some 225,000 personnel. It is organized to supply depot level support not only within the United States but also in any part of the world.

Bulbs Available

Chances are that "bulb snatchers" are common aboard Naval vessels. A heavy cruiser has more than 3,400 light fixtures. And of the total, almost 3,000 of them are for 50 to 100-watt house-type lamps.

Congratulations
Men Of
WAFB



On Your
Seventh
Anniversary

GOOD YEAR
SERVICE STORE

214 West 3rd

Dial AM 4-5871

ARMED FORCES DAY PRAYER

"Almighty God, the Father of us all, we give Thee most humble and hearty thanks for the blessings that have been bestowed upon our land. We are ever mindful of the devotion and sacrifice made by members of our Armed Forces on land, in the air, and on the sea. They have served in great jeopardy to insure for us the freedoms we enjoy.

"We petition Thy Heavenly Guidance upon the leaders of the nation, both civil and military. Make them aware of their role in the redemption of the world from cruelty, hate and injustice, so that the exercise of our might will always serve the ends of justice upon this earth.

"On this day we remember the individual soldier, sailor, airman, and marine. Keep them always courageous and vigilant in the faithful performance of their several duties. Give them such insight that they never glory in material might but remain faithful to the preservation of liberties and freedoms for all mankind.

"Finally, we pray for Thy Heavenly Benediction as we join with those around the world who work toward the end that righteousness shall prevail among all the peoples of the world. Endow us with strength of character that prompts a devotion to our country and to Thee, O God, who is the source of all true power. Amen."



We Are Proud To
Have You With Us!

To all of the personnel we would like to thank you for your friendly cooperation and your contribution to the civic, social and economic life of our community.

COME IN AND VISIT US
YOU ARE ALWAYS
WELCOME AT

Miller's Restaurant

510 E. 3rd

AM 4-9021

Corporal Missile Has 75-Mi. Range

Equipped with either an atomic or conventional-type warhead, the Army's Corporal guided missile is capable of destroying targets at ranges of over 75 miles.

The weapon gives the field artillery greater firepower and enables commanders to strike selected targets deep in enemy rear areas. The Corporal follows a ballistic trajectory during most of its flight, and weather and visibility place no restrictions on its use.

The missile is propelled through space by a liquid propellant rocket motor at several times the speed of sound.

Two operational rocket launchers are assigned to each 250-man Corporal battalion, and at the present, Corporal units have been deployed to Europe.

An Open Letter To The Officers, Airmen, Families And Civilian Personnel Of Webb Air Force Base

Good Housekeeping
Furniture Shop
AND APPLIANCES

Jack Watkins
807 JOHNSON
Big Spring, Texas
May 15, 1959

Dear Folks:

We want you to know that your presence in Big Spring has been a great contribution to the betterment of our community.

You are to be commended for your spirit in community affairs as well as your contributions to our national defense. When there has been a drive for money and work, which there have been many, in civic affairs such as the United Fund and other relative organizations, we knew we could count on the good people of Webb. Big Spring is a better and bigger town than it was 7 years ago, and we know that your part in the improvement of our community has been great.

A great many of our friends and your buddies have left Webb and Big Spring to go to the far corners of the globe, but they have left their contributions for a better Big Spring.

We are extremely grateful to you and all the fine folks that have come to Webb Air Force Base and Big Spring. We at the Good Housekeeping Shop know most of you, but we want to know all of you. Please accept this letter as a personal invitation to come in and visit with us. We want to know you and become your friends.

Remember, there is nothing in the way of decorating and home furnishings that we won't try to obtain for you.

It has been our aim to bring the highest quality home furnishings to Big Spring at the lowest possible prices. Whatever your taste may be, modern, provincial, Early American or contemporary, we have it.

We sincerely want to be of service to you, and please don't hesitate to ask us about anything regardless how trivial it may seem to you. Feel free to come in and browse any time.

Sincere best regards to all of you.

Sincerely yours,
Jack L. Watkins
Jack L. Watkins
And Staff



We are proud to have you in our community. We take this opportunity on the 7th Anniversary of Webb to give praise and say that we sincerely appreciate all of the benefits Webb has brought Big Spring.

Suggs Construction Co., Inc.

East Hwy. 80

AM 4-5951

Weapons Shown At Firepower Display



Family Services

One of the individual functions on Webb Air Force Base holding "Open House" on Armed Forces Day is the Family Services Center in Wing Personnel, building T-48, which invites all visitors, military and civilian, to stop by between the hours of 9 a.m. and 3 p.m. This center, which helps new families to get settled in the community, is under the direction of Mrs. Lawrence R. Simpson, Family Services Coordinator. Here, Mrs. Simpson inventories some of the dishes and other household wares which are loaned to families until their own furnishings arrive. The service, now celebrating its second anniversary, just moved to its new location in order to provide better service.



Northwest Passage

The Coast Guard tender Bramble picks her way through the ice pack of Amundsen Gulf during the first successful voyage through the new Northwest Passage.

Route Across Arctic Finally Open To Ships

It's like dreaming you are a fraction of an inch tall, in a bed so large the gleaming white sheets have no horizons."

This was one Coast Guardsman's impression of the vast icy "land" known as the Arctic.

"Fantastic!" "Unbelievable!" Many descriptive words rolled off the tongues of the men of the Coast Guard Cutters Spar, Bramble, and Storis. These three small ships had just completed a mission that was cheered around the world. They had found the long sought after, almost mythical Northwest Passage. The date was Sept. 6, 1957.

Venetian John Cabot is credited with launching the first recorded attempt to skirt the North American continent via Arctic waters. It was in 1498 that Cabot was commissioned by Great Britain's Henry VII, but lack of knowledge and equipment that we have today led Cabot to failure on the coast of what is now Florida. It was this attempt that gave Great Britain her claim to North America, because it was said that Cabot touched on Newfoundland.

The failure of one man is a challenge to others. Thus followed Frobisher, Baffin, Bylot, Davis, Hudson and countless others who tried but were defeated by the powers of weather, ice, and at the time, mysteries of the unknown.

In more modern times, 1846 to be exact, Sir John Franklin of England commanded an expedition of two ships, and two years later was victim of his adventurous nature. During the next 30 years at least 40 expeditions by land and sea were launched to learn the mystery of Franklin's death, and to satisfy that unquenchable desire to find the Northwest Passage.

Before the 1957 expedition, only three ships ever completed a crossing of the Arctic waters of North America. None of these crossings provided a feasible route for the deep-draft supply ships, or for general shipping purposes.

The 1957 assault upon the Far North represented the greatest number of ships and men ever to match forces against the Arctic in such a short period of time. Since 1950 the Military Sea Transportation Service (MSTS) has supplied a chain of military stations forming the DEW Line (Distant Early Warning).

The big problem has been getting the Pacific Coast supply ships out of the Arctic before ice closes in. Point Barrow, Alaska, heretofore the entrance and exit used by MSTS ships can become jammed with pack ice within minutes. Luckily, MSTS has never had a ship trapped for the winter in this unfriendly, icy wild. But it was of the greatest importance to find an escape route to the east should Point Barrow suddenly decide to close its gate to shipping. It was with this idea in mind that MSTS formed the Northwest Passage phase of the 1957 expedition.

Civilians over the country regularly get to see much of what the Air Force has in the way of combat operation planes and ammunition.

This is possible through the aerial firepower demonstration, staged annually at the air proving ground center at Eglin AFB, Fla., and the 1959 version recently was witnessed by a group of Big Springers.

At these demonstrations, actually a showing of workaday performance of various aircraft and the weapons available, results are shown of what has taken place in the Air Research and Development Command. Participating in the show are the Strategic Air Command, the Tactical Air Command and the Air Defense Command.

The demonstration is staged over a sprawling range, along the coast of the "panhandle" of Florida, with a grandstand erected to overlook various mock targets set up for destruction by Air Force planes.

The Air Force parades most of its tactical aircraft, as much of its weaponry—excepting, of course, those units which are kept secret for security purposes.

The show demonstrates the speed of fighter aircraft (some of them announced as having Mach 2 capabilities, or twice the speed of sound) through the dramatic sonic boom, and through a high-altitude intercept.

Versatility of fighter planes also is exhibited through their use in carrying strafing guns, napalm tanks, rockets, general purpose bombs, air-to-air and air-to-ground missiles, and even the nuclear bomb.

The precision of both aircraft design and the high competence of pilots is shown in air gunnery, in strafing, in bomb drops and even in firing the air-to-air missiles. Newest in bombing techniques is the "toss bombing," through which procedure fast aircraft pitch out a weapon while on an ascent, throwing it forward and up-and-over and speeds back away from the nuclear target.

The speed and versatility of big bombers is shown, as well as their deadly weapon carrying capacity. And their range is demonstrated through the project of air refueling, whereby up to three aircraft can drink in fuel through boom connectors with a mighty jet tanker. This procedure, of course, has made the range of U. S. jet aircraft—bomber as well as fighter—practically unlimited.

Civilian, Military Hands Clasp As Symbol Of Trust

The 1959 Armed Forces Day between the civilian and the military, symbolizes the trust and understanding which must exist between members of our armed forces and those other Americans and Free World friends with whom we stand for peace and progress, said Murray Snyder, assistant secretary of defense for public affairs.

The strength of a free nation, and its will to endure, derive not only from the capability and readiness of its armed forces, but also from the understanding and support of all its people, Snyder pointed out.

On Armed Forces Day 1959, we hope that Americans and their free world neighbors everywhere will visit our commands and otherwise show their interest and enhance their understanding of our active and reserve forces and other components of our national "Power for Peace," he added.

Big Howitzer Is Self-Propelled

A self-propelled eight-inch howitzer is used to provide mobility and crew protection in offensive combat. In the same category with the eight-inch self-propelled is a mounted 155 mm gun capable of firing over 25,000 rounds.

To provide a mobile weapon against aircraft, the Marines have twin 40 mm guns mounted on an armored carrier.

On Marine tanks are mounted 90 mm guns, a weapon designed originally as a rapid-fire anti-aircraft gun. It has a rate-of-fire of 23-30 rounds per minute and a horizontal range of over 13 miles. Occasionally, it may be used as a field artillery.

PARTNERS FOR PEACE

We are indeed happy to have the opportunity of saluting the entire personnel of Webb Air Force Base and expressing to you our deep appreciation for your valuable contribution to the social, civic, and economic life here in Big Spring.

K. H. (Chub) McGIBBON

Phillips "66" Jobber



601 EAST 1st

DIAL AM 4-5251

WARDS
MONTGOMERY WARD



221 W. 3rd

Phone AM 4-8261

9:00 to 5:30



On this the 7th anniversary of WAFB we take this opportunity to express our appreciation to the personnel at the base for helping make Big Spring a larger and better town. Also we wish to say thank you for all of the business that has come to Wards from those at WAFB.

PARTNERS FOR PEACE

BS-WAFB



On Saturday, May 16, every community honors the gallant men and women of our Military Service — in observance of America's Armed Forces Day.

On this historic occasion, the nation pays homage to all our Armed Forces. Highly specialized, working together closely, they comprise one great organization, teamed for defense . . . our defense.

Here is an opportunity to express the gratitude we all feel . . . and to remember how vitally important are America's Armed Forces for the peace and freedom of the world we know and cherish.



fuel for a growing empire **Pioneer Natural Gas Company**

WARDS BIGGEST SALE of men's sport shirts in our 87 year history!

ONE OF AMERICA'S LEADING MANUFACTURERS OF STYLE SPORT SHIRTS NEEDED IMMEDIATE CASH— SO WARDS BOUGHT HIS ENTIRE BRAND NEW 1959 STOCK AT A SACRIFICE PRICE! COTTONS, RAYONS, SILK-BLENDS THAT SOLD FOR 2.98 & 3.98. WARDS BRINGS THEM TO YOU NOW AT AN AMAZING LOW PRICE! HURRY IN!

1.99
Usually 2.98 and 3.98

- Tremendous assortment, dozens of styles and colors galore!
- All washable, easy-to-care-for. Most are of wash 'n' wear fabrics!
- Newest styling . . . short sleeves. All men's sizes. Hurry, save!



Air Force Divided Into 15 Commands

It has been said that the best way to do a big job is to cut it into little pieces.

The United States Air Force has a mighty big job to do, and it has cut the over-all assignment into 15 major pieces (commands). In turn, these frequently are cut into still smaller pieces.

The Air Force is organized primarily on a functional basis instead of by geographical areas—by the job to be performed. Such a conception is necessitated by the

use of globally deployed, far-ranging and fast moving air vehicles.

The jobs of all the commands are closely related. None is independent of the others; they depend on one another.

Together they provide the offensive, defensive or supporting elements that make up a global airpower instrument—the United States Air Force.

These are the commands—Air Defense, Strategic Air, Tactical Air, Military Air Transport

Service, Continental Air, Air Materiel, Air Research and Development, United States Air Force Security Service, Air Training, Air University, Headquarters Command, Air Force Accounting and Finance Center, United States Air Force Academy, the Alaskan Air Command and Caribbean Air Command. Two arms which might also be considered under the overseas commands are the Pacific Air Forces and the USAF Forces in Europe.

Strategic Air Command Is Striking Force

The long-range nuclear jet striking force of the nation is the Strategic Air Command.

SAC is freely recognized as the primary deterrent power facing a potential aggressor. This position is being maintained by adding missiles to the large number of long-range and medium range bombers based in the United States and deployed on bases around the world. Everyone of these units is capable of delivering atomic weapons of great destructive force.

In order that no area on the face of the earth will be sacrosanct, SAC conducts strategic air operations on a global basis. If war should come, its operations would pass immediately under the direct control of the Joint Chiefs of Staff.

SAC's attacks would be aimed at destruction of the enemy's airpower and other objectives such as industrial complexes, communications centers, sources of power, and stockpiles of strategic materials. SAC would have the task of supporting area commanders by attacks on suitable targets.

Because it is the extended arm of America's defense, its primary objective is to deter an enemy from launching an attack.

To carry out its mission, SAC maintains bases at many points all around the earth, including the United Kingdom, Morocco, Guam and Greenland.

SAC came into being on Oct. 21, 1946. Various Air Force divisions were assigned or subordinated to it, and by December 1957 SAC had activated the Air Force's first Guided Missile combat unit, relying on the Snark.

A month later SAC assumed responsibility for the initial operational capability of intercontinental and intermediate range ballistic missiles. In the arsenal are the Atlas, Titan, Goose and Snark intercontinental ballistic missiles and the Thor and Jupiter in the intermediate range. For air-to-surface missiles SAC has the Hound Dog, the Rascal and the Quail.

Each of SAC's numbered Air Forces is a self-sufficient fighting organization with a composite array of aircraft, bases and missiles. It is geared to operate independently in event of emergency.

Webb AFB Is Operating As Both Defense, Training Base

Three commands in the Air Force have to do with active duty training.

One is the Air Training Command, which is the largest of the AF major commands. It has two training air forces (TAFs)—the Flying Training Air Force (Fly-TAF) and the Technical Training Air Force (Tech TAF).

FlyTAF—of which Webb AFB is a component in its major mission (it also is the home of the 331st Fighter Interceptor Squadron of the Air Defense Command)—provides training of pilot and navigators and for moulding pilots, navigators, gunners and radio and radar operators into combat teams.

TechTAF provides training in missiles as well as in all nonrated (nonflying) specialties for officers and airmen. It is also responsible for Air Force recruiting.

The Air Force recruit goes to the basic indoctrination center where, during training, he is selected for a career field. He completes his final weeks of training at a Tech-TAF school. These schools provide training leading to an AF commis-

sion for officer candidates.

Another command with specialized training is the Air University (AU). It is the educational and doctrinal center of the Air Force and prepares officers with necessary professional knowledge to serve in command and staff positions at all levels.

Its schools include the Air War College, the Air Command and Staff College, the Air Force Institute of Technology, School of Aviation Medicine, Extension Course Institute, and the undergraduate AF Reserve Officers

Training Corps program conducted at 179 civilian colleges and universities. The command's Library and Research Studies Institute support the AU educational program.

A third major command for training is the United States Air Force Academy. It must educate, train and challenge career officers for the Air Force. It has a four-year course of study which combine the elements of a liberal arts and engineering education, a bachelor's degree, aeronautical rating of navigator and a commission in the regular AF.

Overseas Forces Prepared To Meet Threat From Any Quarter

In protecting the security of this nation, the Air Force must be prepared to defend the peace at any point in the world. Thus, it is natural that some of the major commands of the AF are located overseas.

There are two such commands—the Alaskan and the Caribbean. Two forces which are equally as large if not longer function under unified commands and therefore are not separate AF commands. They are the Pacific and the United States Air Forces in Europe.

The Alaskan command is charged with furnishing early warning of attack on the continental United States by means of a far-ranging radar and communications system; with defending Alaska in the air and in providing bases for SAC's retaliatory aircraft. It also supports arctic maneuvers, cold weather experimentation, tests,

rescue operations, geological expeditions, polar research, mapping surveys, etc. It is from the AAC that the 58th Weather Reconnaissance Squadron makes its daily flights to the north polar bases and Bering Sea region. The command intermeshes with Air Defense Command in event of air combat action.

The Caribbean command operates from Guatemala to Cape Horn and assists Latin American air forces through a system of missions. It also trains officers and airmen of these forces, and it is responsible for air defense of the Panama Canal. It administers the Air Force phase of the Mutual Defense Assistance Program in the Caribbean area.

The Pacific Air Forces constitute the major air arm under the command in chief of the Pacific. It has three air forces to protect the vast area from Japan to Korea,

Okinawa, Taiwan (Formosa), Southeast Asia, Guam and Hawaii. It also assists the air forces of China, Thailand and the Philippines. It also has other assignments such as early warning of impending attack, aerial reconnaissance, constructing air bases, rescue and evacuation operations.

The largest single contributor to NATO air power and also the major air arm of the U. S. European command—is the U. S. Air Forces in Europe. It has forces and units from northwestern Europe to the Mediterranean and the Middle East. Many of the cooperating nations avail themselves of training airmen and officers under this force. It also trains the German Air Force. The command also provides support for SAC's rotational training program in Great Britain and North Africa.

Tactical Air Force Has Peculiar Task

TAC and SAC sound alike and in some respect their functions are alike, but the Tactical Air Command is tailored for a peculiar job.

Whereas the Strategic Air Command is the long-arm deterrent, TAC is the Air Force arm that can be brought quickly to bear for the in-fighting at any point on the earth.

Its primary responsibility is to locate and destroy the enemy's air capability, either in the air or on the ground. Coupled with this is the location and destruction of airdromes, missile sites, stockpiles of weapons, supplies and equipment. If circumstances dictate, TAC also seeks to destroy other war material in the vicinity of the battle area or en route to it, and occasionally disrupt the enemy's transportation and communications systems.

TAC is designed for interdiction—that is operations aimed at enemy surface forces deployed within one theatre or being moved to another, and at communications, support, etc.

TAC also provides close air support to aid friendly ground forces.

It does tactical aerial reconnaissance including visual, photo, electronic and weather for both the Air Force and the Army.

This command also provides an airlift element for Air Force and Army, including its Composite Air Strike Forces, a unit for atomic combat.

This Composite Air Strike Force is uniquely suited to combating limited war. Thus it provides a tool for maintaining world peace. Included are F-100, F-104 and F-105 fighters, B-57 bombers, the RF-100, RB-66 and WB-66 reconnaissance, KB-50J jet tanker for mid-air refueling, and C-130 and C-123 air transports.

Just how fast and how far TAC can strike, even with fighter craft, was demonstrated by the non-stop flight of F-100 Super Sabre jets from London to Los Angeles, a distance of 6,710 miles in little more than 12 hours. All jet combat planes assigned to TAC are supersonic, and firepower is maintained at maximum strength including use of the air-to-air missiles and the surface-to-surface missile, "Mace."

Administration Is Handled By Two Commands

Two of the major Air Force commands have to do principally with administrative affairs.

One is the headquarters command, stationed at Bolling, AFB, D. C. It was responsible for providing personnel of the Air Force assigned to headquarters of USAF in the nation's capital and for providing aircraft for forces there.

It provides support of a special activities wing at Ft. Myer, Va., to which are assigned air attaché and military missions throughout the world. The headquarters command also is responsible for casualty service and for ceremonial service for the Air Force at special occasions; monitors the reserve training program; conducts the Air Force balloon operation, etc.

Another command is the Air Force Accounting and Finance Center which performs accounting and finance operations. It also provides technical supervision for the Air Force accounting and finance network. All AF accounting is performed at the center in Denver, Colo. It maintains proprietary accounts (ownership of property totaling around \$70 billion), keeps track of appropriations accounts (money allocated to the AF); and maintains expenditure accounts, auditing and analyzing some 400,000 paid bills each month.

The center is available for study and research into better accounting methods which will keep commanders more easily and better informed on financial status of their establishments. In a course of a month's operation it issues some 700,000 checks which total \$2 billion annually. Each three months it writes out a check for \$56 million—their tax bite on airmen and officers for the Internal Revenue Service.

ARDC Is On Vital Team With Science, Industry

Alice discovered that you have to run fast to stay where you are. The Air Force knows that you have to look far ahead or you'll be left far behind.

Thus the Air Research and Development Command becomes one of the key elements in the Air Force.

This command is charged with achieving the best possible materiel (missiles, aircraft and equipment) and of conducting scientific studies leading to most effective accomplishment of the Air Force mission.

It also seeks new basic knowledge from which improved aeronautical equipment, weapons and techniques can be developed; and undertaking development and recommending the adoption of new and improved devices and systems for the conduct and support of air warfare.

Air Research has joined with other Air Force commands and other military and government services and it has teamed with American science, education and industry to provide economically the air weapons required to maintain airpower superiority.

More than 200 universities, colleges and other nonprofit institutions and some 1,500 industrial concerns participate under a contractual program with ARDC.

Under it is the Air Proving Ground Center for the final phase testing of all new Air Force weapon systems. Aircraft and all component equipment are tested in simulated combat conditions and extremes of temperature. Tactics and techniques are proved, disproved or developed.

Decisions and findings in ARDC today may determine the security of the nation a decade hence.

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MAY 16, 1959



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TO THE ENTIRE PERSONNEL OF WEBB:

The entire personnel of Webb Air Force Base deserves a pat on the back for their outstanding record of civic participation. Through continued mutual effort, we know our city and Webb will continue to grow and progress. The past 7 years have been pleasant, indeed, and we are looking forward to many more years of partnership with this important military base.

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A Pat on the Back

To
COL. KYLE RIDDLE,
Commander, WAFB



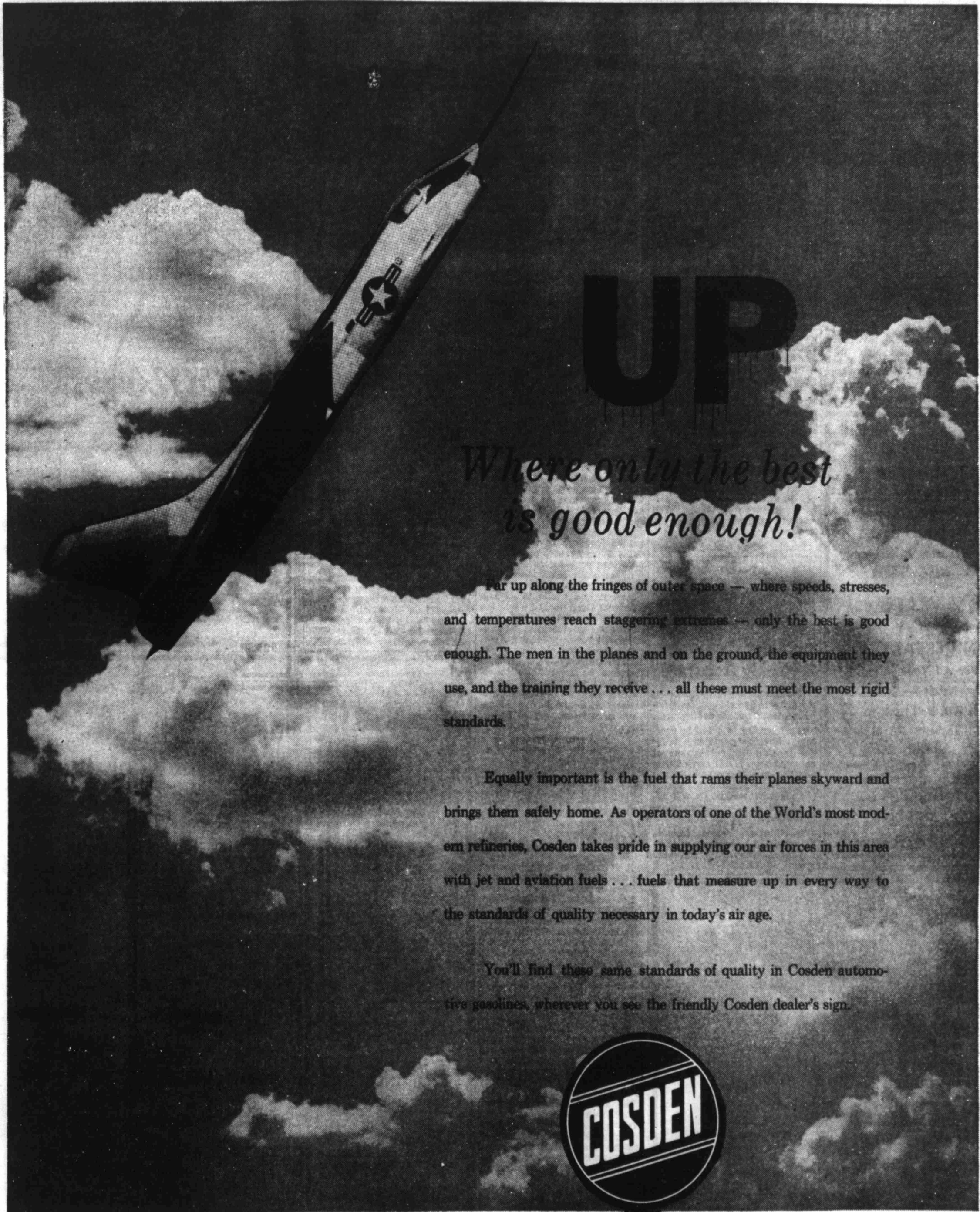
Col. Riddle

A pat on the back from the entire community goes to Colonel Kyle Riddle, because he and his fine family have made themselves right at home in Big Spring, and are among the city's favorite citizens.

Colonel Riddle came here in April, 1957, as Webb's wing executive officer, became commander the following July. Under his leadership, the splendid relationship, mutual understanding and joint effort displayed between Webb Air Force Base and the civilian community have reached a noteworthy high.

We salute Colonel Riddle as a command pilot, as a highly-decorated Air Force Officer, as a veteran of 78 combat missions in World War II, as an experienced and competent military administrator.

Above all, we salute him for his unflinching good citizenship in Big Spring, for his generosity and helpfulness among the community, and for being an all-around grand guy.



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Far up along the fringes of outer space — where speeds, stresses, and temperatures reach staggering extremes — only the best is good enough. The men in the planes and on the ground, the equipment they use, and the training they receive . . . all these must meet the most rigid standards.

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Air Defense Command Is Bulwark Against Attack

The Air Defense Command was formed in 1946 to provide the air defense of the United States.

It was expanded into the Continental Air Defense Command in 1954, and the Department of the Air Force was designated as executive agent for CONAD. The latter command became an international operation on Sept. 12, 1957 when the U. S. and Canadian forces joined in a common air defense of North America. This operation is called North American Air Defense Command (NORAD) and is headed by an Air Force general, with an air marshal of the Royal Canadian Air Force as deputy commander in chief.

The United States forces under NORAD's operational control are the U. S. Air Defense Command, the Army Air Defense Command, the U. S. Navy forces assigned to air defense, and the air defense forces of Alaska and Greenland.

Air defense operations are divided among three regional forces in different parts of the country. (These are identical for the ADC, the CONAD and NORAD, and the commanders of the Eastern, Central and Western Air Defense Forces are commanders of the same areas for CONAD and NOEAD.)

The air defense mission in Canada is the operational responsibility of the Air Officer Commanding RCAF, Air Defense Command.

The air defense forces in Greenland are under the operational control of the commander, 64th CONAD Division; and the air defense mission in Alaska has been delegated to the commander in chief of the Alaskan command by the commander in chief of NORAD.

Detection, identification, interception and destruction are the four key elements in NORAD's mission.

The main instrument of detection is a giant radar surveillance system. Control is established through radio, telephone and teletype link between the various elements which consist of the radars in the United States; radars of the Pinetree system (a line north of the U. S. border and across mid-Canada) and the DEW line radars in extreme North America; Navy radar-equipped picket ships; a chain of Air Force "Texas Tower" radars on sea platforms along the U. S. east coast; the Air Force and Navy radar patrol planes; and radar detection devices in Alaska, Greenland and Iceland.

National policy has been to build

detection systems so far outward from likely targets so that enemy air vehicles could be detected and destroyed before reaching our populated areas. Radars have now been developed which have detection ranges on an intercontinental ballistic missile out to 3,000 miles.

Identification is performed by special zones in which all aircraft must identify themselves by checking flight plans and by Air Force all-weather interceptors (such as the 331st Fighter Interceptor Squadron stationed at Webb AFB) that fly up to examine unknown aircraft day and night.

NORAD has jet interceptors capable of identifying, intercepting and even destroying targets around the clock under any weather condition. Improvements in air-to-air missiles and the availability of rockets with nuclear warheads have greatly improved the defense potential. Advanced missiles will be added to combat enemy air vehicles of all types under any foreseeable condition.

At its disposal the Air Defense Command has all-weather jet interceptors — the F-86D, the F-99D and the F-94C, armed with 2.75 inch rockets. The now work horse of the interceptor force is the supersonic delta-wing F-102 A which uses the Falcon guided missile. Some at strategic locations are armed with the Genie, a rocket containing a nuclear warhead. The F-99D, modernized into the F-99H, is capable of firing a Falcon. Newest of the ADC fighters is the F-104A, capable of speeds of 1,400 miles per hour and an altitude of 92,000 feet. It is armed with the Sidewinder, which relentlessly tracks down its target. The ADC ground-to-air missile is the Bomarc.

Stepping the control systems further up the electronic ladder is SAGE, gigantic communications and computation center which instantly assimilates complicated data and in a flash directs interceptors to a point of contact.

Artillery Weapon Is Highly Accurate

Lacrosse is the name given by the Army to its field artillery guided missile now under development.

The Lacrosse is a highly accurate, all-weather guided missile for use in close tactical support of ground troops. It will carry highly effective area-type warheads and is sufficiently accurate for destroying pin-point targets. It will replace and supplement conventional artillery.

The Lacrosse system includes the missile, a launcher mounted on a standard Army truck, and other ground equipment.

3,000 Bases To Note Armed Forces Day

Americans and their friends, both at home and abroad, will have an opportunity to view all aspects of the nation's strength during the 10th annual Armed Forces Day observance tomorrow.

This year's program will emphasize the role of U. S. armed forces in the Free World — Power for Peace.

Within the continental United States, displays and demonstrations will be presented in some 3,000 communities. About 500 parades are scheduled, with half a million participants. In addition, hundreds of exercises, exhibits and demonstrations will be presented for civilian guests at "open house" events in posts, camps, stations, bases and other defense facilities.

Prior to 1950, Army Day was celebrated on April 6 each year; Air Force Day on Sept. 18; Navy Day on Oct. 27, and the Marine Corps anniversary on Nov. 10. In April 1949, the Secretary of Defense announced that the four separate events would be consolidated into a single annual Armed Forces Day in line with unification of the services and creation of the Department of Defense by Congress. Armed Forces Day was intended to symbolize unification, demonstrate the close working relationship of the Army, Navy, Air Force, Marine Corps, Coast Guard and Reserve Components, and give the public an annual report on the state of the Nation's defense.

Date for this annual observance was selected after lengthy consideration of weather and other important factors. Such an observance could not be held in winter because of weather, nor in summer because schools and colleges would be unable to participate, and any date in the fall would conflict with school and college sports events. Also, the date must not be too near any established national holiday, such as Independence Day or Veterans Day.

It was finally concluded that the third Saturday in May, even though it falls within 15 days of Memorial Day, would involve the least conflict with established public events and the least interference with business, industry, education, and other elements of national community life, and would therefore be most likely to receive the greatest public attention. Accordingly, the President proclaimed the third Saturday in May, 1950, as the first Armed Forces Day.

Iron Men Better Than Iron Ships

It is better to have iron men on wooden ships than wooden men on iron ships.

Not Confucius, but Rear Adm. Leon J. Jacobi, discussing the importance of morale to the military in Dallas recently.

"National security is not just a matter of hardware — guns, ships, tanks, jets — but also concerns the people who operate that equipment. The way they feel about their jobs is tremendously important to the success of our defense efforts."

As national president of the Reserve Officers Association, Admiral Jacobi explained that the organization, fundamentally concerned with national security, devotes a large part of its activities to the area of morale.

The short, balding gentleman noted with obvious pride the ROA's efforts in behalf of the military pay raise secured last year and the renewal of the draft law.

"With military pay getting completely out of line with civilian salaries, an increase was essential to prevent so many of our top young officers from leaving the service for better-paying jobs."

As for the draft law, he said that without the law the United States could not have the necessary military protection.

"Without the threat of a draft, we could never hope to have an adequate supply of regular and reserve officers."

Major among the ROA's current projects is the effect to secure passage of the Reserve Officer Incentive Bill, said Admiral Jacobi.

"This bill would help to eliminate the lack of security reserve officers now face. Currently, any change of command can bring a personnel cut-back that means their elimination, and the best we have been able to do for them is readjustment pay of half a month's salary for each year of service."

After a reserve officer has served his initial two years, the incentive bill would provide for a series of three 6-year contracts that might safely span a man to 20-year retirement, explained the Admiral.

"The reserve officer would be considered for integration into the regular service at the end of his first contract period, and of course, would also face the possibility of elimination. But at least he would have 6-year chunks of security rather than never knowing when the sword might fall."

The bill has passed the House of Representatives and is now being deliberated by the Senate, where Admiral Jacobi fears "a few compromises may have to be made."

Services Cooperate

The Army and Air Force cooperate on the Jupiter missile. The Jupiter is an Army-developed and Air Force-employed intermediate range ballistic missile, capable of being launched from land.

MATS Operates Tremendous Airlift To Fill Defense Needs

Developing an airlift capability for times of war is assignment discharged by day to day function by the Military Air Transport Service.

MATS is another of the Air Force major commands.

No stretch of imagination is required to vision demands for air transport of all types if war should come. MATS takes the position that the only way to do this job under emergency conditions is to have learned by doing it under regular conditions.

That's the reason why pay loads of people material are constantly being flown. Little can be learned from handling empty planes.

Prime function of MATS is to establish and maintain worldwide air-routes and to provide transport over them such as will meet requirements of the Department of Defense in wartime.

Three divisions are set up to accomplish this — the Continental, Atlantic and Pacific.

One of MATS' big jobs is support of the Strategic Air Command. Global deployment of this force requires simultaneous movement of logistical support (equipment, supplies, personnel) necessary for SAC's continued operation from advanced bases.

MATS has four technical support services that function for the Armed Forces as well as for other governmental and civilian agencies. The Airways and Air Communications Service, is a worldwide communications system on a 24-hour basis to help the Air Force fly in all kinds of weather anywhere. Air Rescue Service conducts searches and rescue not only for Air Force crews but any individuals needing emergency action.

Air Weather Service provides a daily analysis of weather throughout the northern hemisphere and includes reconnaissance flights in areas near the north pole and from the Atlantic and Pacific Oceans. Air Photographic and Charting Service keeps current aeronautical charts for all parts

of the world. It also gathers target data and intelligence material for accurate air strikes.

Among planes used are the C-119 Liftmaster, the C-97 Strato-Freighter, the C-121 Constellation and C-124 Globemaster II, the Navy's Lockheed R-7V Super Constellation, the twin-engine C-131A Samaritan, backbone of the aeromedical evacuation fleet, and finally the C-133A, the latest addition to the transport fleet.

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Salute All Webb Personnel On Their 7th Anniversary

Coast Guard Nation's Oldest Fighting Force Afloat

As the nation's oldest fighting force afloat, the United States Coast Guard started preparing for action when it began to appear that World War II was unavoidable.

Immediately upon the President's proclamation of neutrality on Sept. 5, 1939, the Coast Guard took steps to be ready for any eventuality. More than a year before Pearl Harbor all of the sea-going cutters in commission were scheduled to be readied for combat, taking on heavier armament, anti-aircraft guns, and anti-submarine devices.

Before U. S. entrance into the war, the Coast Guard had been alerted to keep a constant lookout along many thousands of miles of seacoast and inland waterways as protection against the illegal entry and activities of belligerents.

Some phases of neutrality enforcement represented an extension of Coast Guard peacetime functions. For example, cruising Coast guard cutters carried out routine patrols as far north as Greenland where they helped to set up air bases. Coast Guard cutters were also assigned to weather-ship stations in mid-ocean to supply meteorological data for the safe passage of transoceanic ships and planes. Later, this activity became an important wartime aid.

INTO ACTION

With the threat of war hanging over the nation, the President on Nov. 1, 1941, ordered the Coast Guard to operate as part of the Navy. Five weeks later, on Dec. 8, 1941, the United States declared war on the Axis powers, and the

Coast Guard went swiftly into action.

To the Coast Guard, World War II brought many additional responsibilities, including anti-submarine patrol, convoy escort, port security, beach patrol, participation in amphibious landing operations, and the manning of troop transports.

Along with its wartime duties, the service continued to carry out its traditional functions of protecting life and property at sea and the enforcement of federal maritime laws. This increased activity placed a severe strain on Coast Guard personnel which numbered approximately 25,000 at the outbreak of the war.

But despite a shortage of trained manpower, the Coast Guard managed somehow to provide men to operate Navy and Army vessels along with its own cutters. During the war, coast guardsmen manned 351 Navy vessels, 288 Army vessels, and 802 Coast Guard cutters of 65 feet or over in length, or a total of 1,441 larger craft. By June 30, 1945, Coast Guard personnel had risen to a peak of 171,192.

COMBAT UNITS

Most of the larger vessels were used to transport troops and cargo of various kinds—chiefly the former. But the majority of ships manned by the Coast Guard were combat units.

Within a relatively short time after America's entry into the war, Coast Guard cutters were engaged in enemy vessels in the Atlantic. On May 9, 1942, while on a routine cruise, the cutter Icarus sighted a submarine dead ahead. After being heavily attacked with

depth charges, the submarine surfaced and attempted to fire her deck gun, but was prevented from doing so by gunfire from the Icarus. As a result of the depth charges, the submarine was sunk and 33 prisoners were taken.

In the months that followed, Coast Guard cutters rolled up an impressive score of submarine sinkings. On Feb. 22, 1943, the Coast Guard cutter Campbell detected a submarine while on convoy escort duty in the mid-Atlantic. After a running battle the fire and depth charges of the Campbell finally sank the submarine. The Campbell was severely damaged in the fighting and was later towed to St. John's Newfoundland, then to Argentina where she underwent repairs.

A third definite submarine "kill" was registered by the CGC Spencer while escorting a convoy in the North Atlantic. The Spencer was assisted in this action by the CGC Duane which was operating in the vicinity.

MANY OTHERS

Examination of German and Japanese records after World War II confirmed that many other submarines had been finished off as a result of Coast Guard action.

As part of the anti-submarine campaign, the Coast Guard in June, 1942, began the task of assembling and manning a fleet of coastal pickets. The craft were fitted out to carry at least four 300-pound depth charges, to be armed with at least one machine gun and equipped with a radio set. Prime mission of the pickets was to maintain enemy observation and anti-submarine patrol. The craft were

also to conduct rescue operations off shore, report all vessels in distress, locate survivors, and carry out other duties of naval interest. Between Jan. 1, 1942, and Jan. 1, 1943, Coast Guard floating units increased from 3,732 to 8,357. The major portion of this increase was in reserve boats which rose in number from 314 to 3,148, miscellaneous motorboats of less than 65 feet which showed an increase to 611 from 174, and miscellaneous small craft which increased by 240 during the same period.

THOUSANDS RESCUED

Thousands of calls for assistance were received by regular Coast Guard cutters. One of the greatest sea rescues in history was carried out by the Coast Guard cutter Bibb on Feb. 7, 1943, in rescuing 235 passengers and crew members from torpedoed vessels in the North Atlantic. On Feb. 2, 1942, the CGC Nike brought 39 survivors of the SS San Gil into Ocean City, Md., and three days later it rescued 38 persons from the torpedoed tanker China Arrow in the same vicinity.

On Feb. 16, 1942, the CGC Woodbury brought in 40 members of the tanker E. H. Blum. The CGC Calypso on Feb. 15, 1943, removed 42 persons from a lifeboat of the torpedoed Brazilian ship SS Buarque. During the early part of 1942, when the battle of the Atlantic was at its fiercest, lifeboat stations along the Atlantic coast picked up hundreds of survivors. Many of these lifeboats and rafts from sunken merchant vessels were spotted by Coast Guard aircraft on their anti-submarine patrols.

At the beginning of the war, the Coast Guard had 56 planes based in 10 air stations distributed along our entire coastline and the Great Lakes. By June 30, 1945, 184 planes were being flown by Coast Guard pilots.

The story of Coast Guard aviation in World War II is a proud one. Many seamen owe their lives to the vigilance and daring of Coast Guard airmen. For example, on May 2, 1942, a Coast Guard plane made a landing in a rough sea and rescued two survivors from a torpedoed freighter. The men had been adrift 12 days without food or water. In July, 1942, a Coast Guard plane took aboard 27 survivors from a torpedoed vessel in the Gulf of Mexico.

BOMB ATTACKS

From the beginning of hostilities until June, 1943, Coast Guard aircraft delivered 61 bombing attacks on enemy submarines, located over 1,000 survivors and actually rescued 95. In October, 1943, a Coast Guard-manned patrol bomber squadron was commissioned for active anti-submarine patrol in the Canadian arctic, Iceland, and Newfoundland. Patrols were made in Northeast Greenland for ice observation, evidence of enemy landing and weather station operations.

With the lessening of the submarine menace in 1944, the attention of air stations was focused

once more upon rescue duties. The tremendous increase in military flying, in fact, had developed the need for search and rescue as an important phase of military operations. Recognizing the need for coordinated military effort in this project, the Secretary of the Navy established an Air-Sea Rescue Agency with the Commandant of the Coast Guard as head. With representatives of all services as members, the agency was designed to obtain coordination, to conduct joint studies, recommend methods, procedures and techniques, and disseminate information on these subjects.

IN ALL THEATRES

Either in their own vessels or in Army or Navy craft, Coast Guard officers and men saw action in every major theatre of war around the globe. They participated in all the large amphibious operations from Guadalcanal to Omaha Beach in Normandy. Military commanders in World War II were faced with the problem of transporting troops over vast distances of enemy terrain and of keeping them supplied with food and war material. The Coast Guard played a vital role in carrying out these wartime functions.

During the war, the Coast Guard manned 22 transports. The larger transports had accommodations for about 450 officers and from 4,700 to 5,000 troops. They reached the far corners of the earth where hostilities required United States forces, touching on such far-flung points as Bombay, Calcutta, Karachi, Shanghai, Melbourne, the Philippines, New Guinea, Guam, Naples, Marseilles, and Le Havre.

The Coast Guard also manned nine attack transports. These ships carried troops to points off the beaches where the amphibious assaults were being conducted. The stories of these vessels read like accounts of naval amphibious operations in World War II. Vessels of this type took part in the north African landings, those at Sicily, Italy, southern France, Normandy, the Aleutians, the Philippines, and the many Pacific Islands.

In addition to troop transport duty, the Coast Guard also operated cargo vessels which helped to supply urgently needed food and military equipment. These ships frequently operated under the guns of the enemy.

BEACH PATROL

For a number of years prior to World War II, the Coast Guard had carried out beach patrols as part of its regular lifesaving function. But with the coming of war, the protection of the coasts from saboteurs and enemy attack became an important part of national security. Formal establishment of a wartime beach patrol system occurred on July 25, 1942, when Coast Guard Headquarters authorized institution of a beach patrol organization in all naval districts adjacent to the coast. By jeep, truck, on foot, and on horseback, thousands of coast guardsmen tirelessly patrolled the Atlantic, Pacific and Gulf coasts. At its peak, the beach patrol organization employed approximately 24,000 officers and men, and beach coverage totaled about 3,700 miles.

On June 13, 1942, a coast guardsman, while patrolling his post on the south shore of Long Island, observed a group of German agents landing from a submarine and was the first to report their presence. His information led to the capture and the execution of some of the group.

Besides preventing enemy landings, beach patrols also contributed to the safety and general welfare of the community in which they operated. They also assisted in fire fighting, flood and hurricane relief, and in ordinary law enforcement.

PORT SECURITY

The Coast Guard's successful handling of the port security program represents one of its major accomplishments during World War II. Though less dramatic than some other wartime duties, the Port Security program helped to prevent sabotage and subversive activities along American waterfronts and ships in port.

In performing this complicated task, the Coast Guard screened thousands of merchant seamen and other persons having access to restricted areas through which military material was being carried, supervised the loading of explosives and other dangerous cargo, and directed the movements of vessels in port.

Several months after the United States entered the war, the President directed that the Secretary of the Navy take all steps necessary to protect water front facilities in the United States, Alaska, Hawaii, Puerto Rico, and the Virgin Islands against injury from sabotage, subversive acts, accidents or other causes. Forthwith, the Secretary of the Navy delegated this authority to the Commandant of the Coast Guard.

The Coast Guard was now charged with the wartime responsibility for patrolling more than 50,000 miles of United States coast line in all kinds of weather and for watching every vital dock and pier in every major harbor. The new assignment also required the Coast Guard to scrutinize every person who set foot on any ship or pier connected with the war effort and to serve as policeman and fire warden for all waterfronts.

It was a big job, and the Service called upon the Coast Guard Reserve for assistance. This organization had been set up in 1939 to provide a reservoir of boats upon which the Coast Guard could draw in time of emergency. Additional help came from the Coast Guard Temporary Reserve which consisted of persons in all walks of life who volunteered for port security duty on a part-time basis. By 1943, the Port Security pro-

gram reached a high point of activity, employing more than 40,000 persons.

Besides being constantly on the alert for sabotage, the Coast Guard was faced with the ever-present threat of fire in vessels that were often loaded with all types of highly explosive cargo. The Coast Guard also had to be prepared to fight fires if they did get started. Therefore, it assembled a fleet of 253 fireboats—the largest fleet of its kind in the world. The boats were equipped with up-to-date apparatus, and were stationed wherever port activity was greatest.

At historic Fort McHenry in Baltimore Harbor, the Coast Guard maintained a special school to train men for fireboat duty and for fire prevention and firefighting on shipboard. All of this training and caution paid handsome dividends in the absence of serious fires on the important water fronts.

Coast Guard alertness and firefighting skill averted a major disaster in New York harbor on April 24, 1943. On that day, a fire broke out on the Panamanian freighter El Estero. The vessel was carrying 1,965 tons of explosives, including one-ton bombs in her hold. She was docked at an Army loading pier in Jersey City. Tied up to the same pier were two other ships similarly loaded. If the El Estero went, it was virtually certain that the rest would explode also.

The result of such an explosion, according to one expert, would have been to raze half of New York's famous skyline, flatten the Empire State Building and Radio City, and kill up to 1,000,000 people.

Within minutes after the fire was discovered, Coast Guard and City of New York fireboats were on their way. A force of 200 coast guardsmen from a nearby barracks also arrived.

To help minimize explosion hazards, the burning ship was towed out into the bay, and fireboats began pumping water into her. After two hours of desperate pumping the ship began to settle, and the danger was over. A terrible disaster had been averted.

The scope of the Coast Guard's operations during World War II included every important fighting front. Because of their courage and experience, coast guardsmen were chosen to man many of the landing craft that placed soldiers on

the bloody beaches from Guadalcanal to Tokyo in the Pacific, and from Casablanca to Normandy in North Africa and Europe. Of a total of 1,035 who died abroad, 572 were killed in action.

Altogether 1,878 coast guardsmen died in the war. At the same time, 1,868 were decorated, one receiving the Congressional Medal of Honor, six the Navy

Cross, one the Distinguished Flying Cross, and 67 the Legion of Merit.

Twelve Navy vessels and four Army vessels manned by the Coast Guard along with 16 Coast Guard cutters were lost. One of the largest Coast Guard cutters lost was the 327-foot Hamilton sunk by a torpedo off Reykjavik, Iceland, on Jan. 30, 1942.

A Proud SALUTE...

To
The Men And Women
Of



On Your 7th Anniversary

We are extremely grateful to you for your spirit in community affairs as well as your contribution to our national defense.

We have enjoyed serving you in the past and hope to continue serving you better.

"66" Cafe

West Hwy. 80

AM 4-5091

We Extend Our Hand
Of Friendship To You...

Webb Air Force Base Personnel

We are extremely grateful to you... you are strengthening our nation and our community. Our hats are off to you for doing such a good job.

CLIFF PROFFITT
DISTRIBUTOR



To The Personnel Of Webb Air Force Base

We see a strong jet training base that has risen from the West Texas Plains, to turn out hundreds of fine young pilots who help protect our way of life... We see thousands of men and women come into Big Spring from far corners of the nation, to call this place home for a period of months... We see these people integrate themselves wholesomely into our community, we see them in our churches, their children in our schools... We see them dedicated to a great mission of keeping America at peace through military strength... We see them joining hands with us to make our city a better place in which to live... WE LIKE WHAT WE SEE! And we say to all those at Webb Air Force Base — A MOST SINCERE—THANK YOU.

Open Until

9:00

Thursday Nights

For Your

Shopping Convenience

Congratulations

On Your

7th

Anniversary



Dial AM 4-6371

3rd At Main



WEBB

AIR FORCE BASE



Welcome

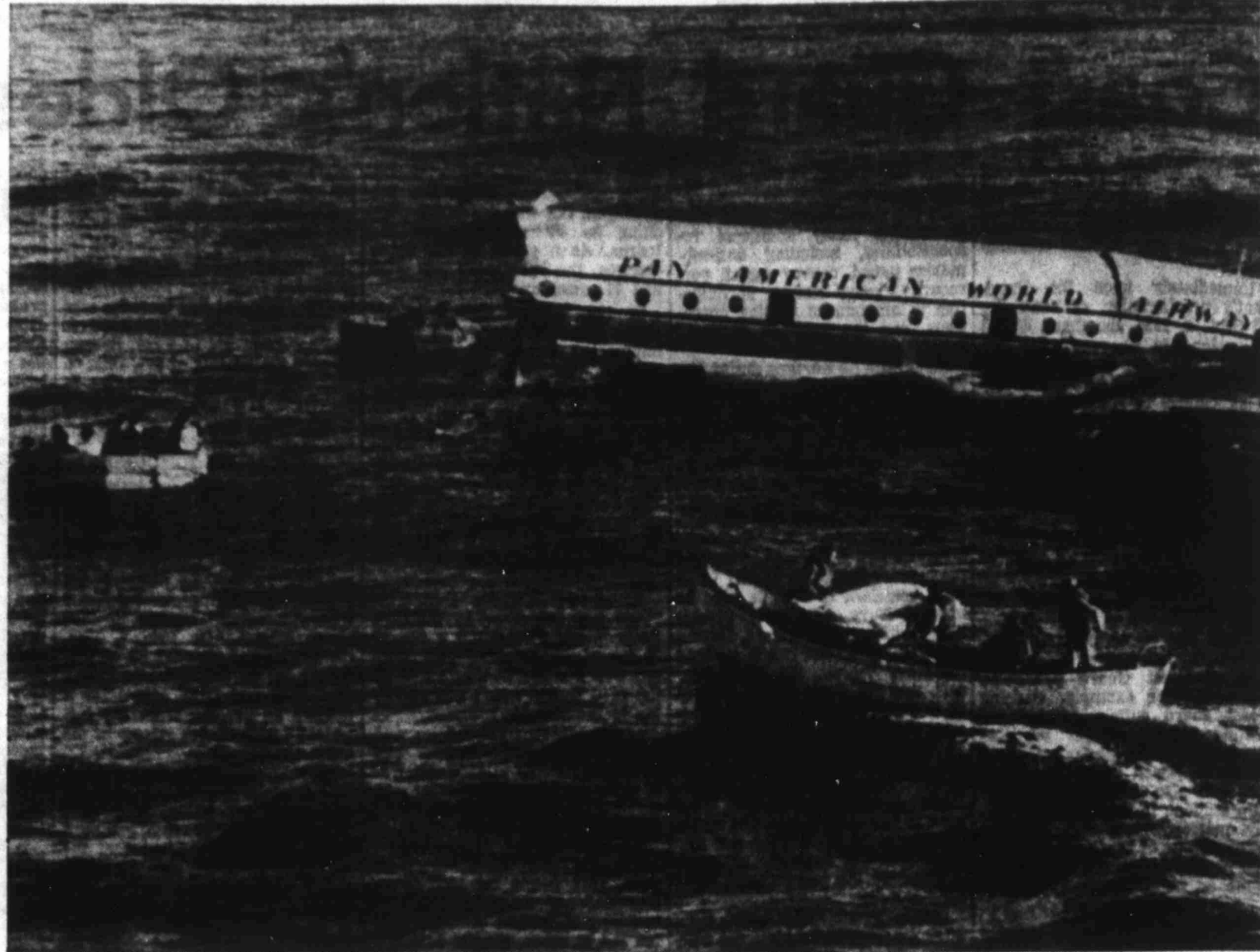
Airmen...

We at Anthony's extend our sincere congratulations to you on the 7th anniversary of Webb Air Force Base. We hope that this anniversary will be repeated many more times.

Anthony's will always be at your service and will endeavor to make your tenure in Big Spring pleasant.

FOR YOUR SHOPPING
CONVENIENCE... WE STAY
OPEN UNTIL 8:30 EVERY
THURSDAY NIGHT





Big Spring Daily Herald
 Big Spring, Texas, May 15, 1959
POWER FOR PEACE

On land, in the air, on and under the seas the Armed Forces of the United States stand guard over the security of the nation and of the free world. The greatest team in the world is the earth's mightiest power for peace, and it stays constantly at the job. Upper left, the Army's 280mm cannon fired the first atomic shell in history on May 25, 1953, opening a new phase of landborne defense. Upper right the U.S. Coast Guard effects a rescue from a wrecked Pan-American stratoscruiser. At center, left, the USS Intrepid is refueled at sea by the oiler USS Neosho during Atlantic maneuvers, and at right U.S. Marine Infantrymen advance under cover of F-1J (Fury) jets during maneuvers. Lower left Marines from the 2nd Division swarm ashore in practice landings at Porto Sento, Sardinia. At right below, the USS Skate, atomic submarine, emerges through the ice cap exactly at the North Pole, on its 3,900-mile voyage under the arctic ice cap, and tanks from the Army's 12th Infantry Regiment blast their way in simulated combat conditions at Mambachel, Germany. (Tanker and Skate official U.S. Navy Photographs; rescue picture, U.S. Coast Guard Official Photograph; Marine pictures U.S. Defense Department (Marine Corps) Photos; and atomic cannon and tanks, U.S. Army Photographs.)



15

MAY

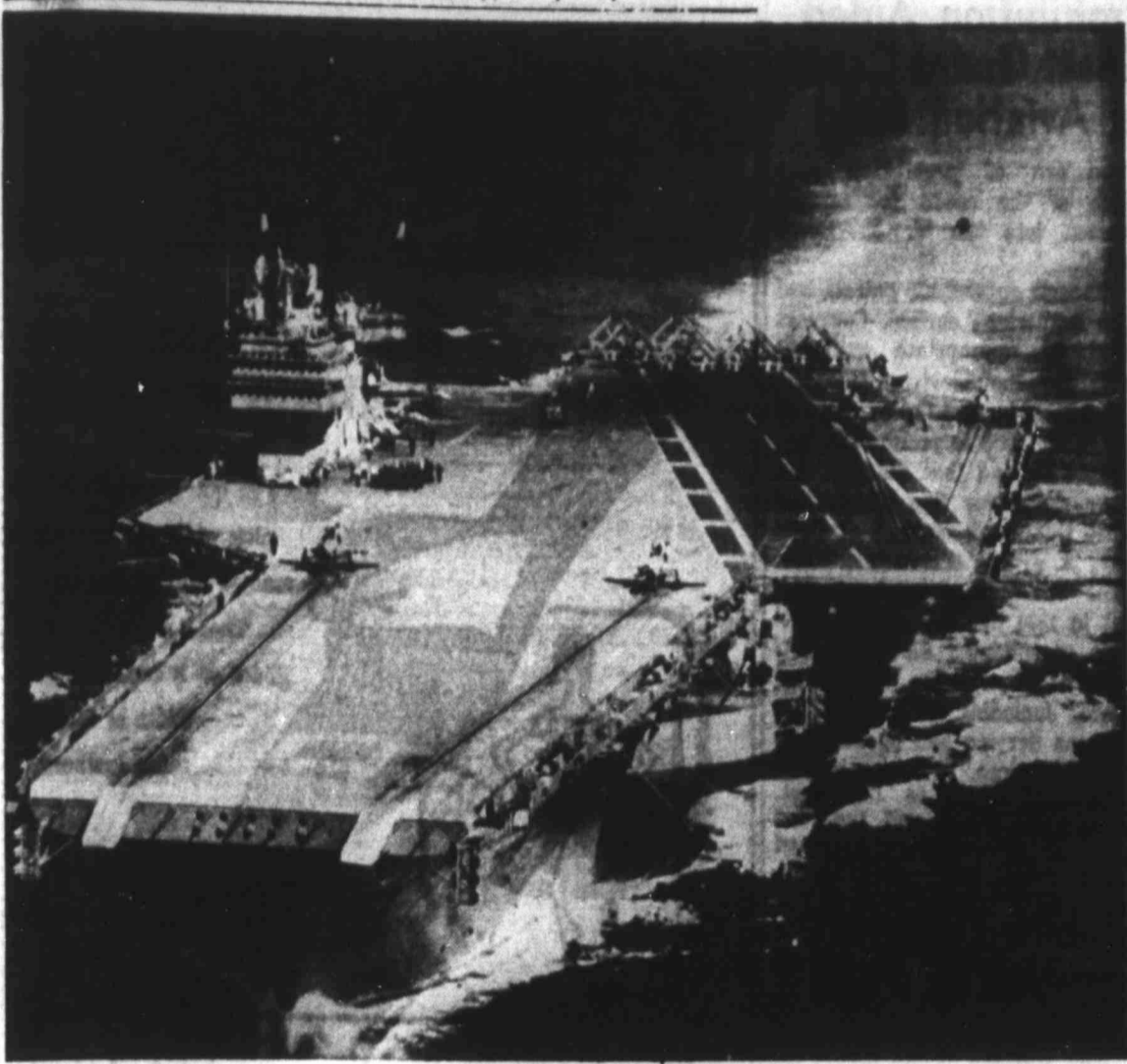
5

Navy steers

H In

The working family to the rescue while the invention in many

This hope you D



Four Acres Of Deck

Navy jets are shown poised on the mammoth sea landing field of the USS Ranger. The Ranger employs steam to catapult the speedy planes into the air and can launch two simultaneously.

Helicopter Plays A Key Role In Search, Rescue Operations

The helicopter — that hard-working member of the aircraft family — is of major importance to the Coast Guard in search and rescue and other operations. For while the Coast Guard utilizes conventional propeller-driven aircraft in many of its functions, there are some occasions when the helicopter, because of its special capabilities, is particularly serviceable. For example, its unique ability to hover and to take off and land straight up and down makes possible rescue operations in areas which are inaccessible to the more

usual types of air and surface craft. Also its maneuverability and slower flying speeds help to make it an ideal search and rescue vehicle.

The idea of a vehicle which could land easily on rough water or terrain is an old one — almost as old as the age of flight. But it was given great impetus by the successful flights of early helicopters in the 1940's. The Coast Guard began to acquire helicopters, and in November 1943 set up a helicopter training base at Floyd Bennett Field in New York. A year later, 150 mechanics had been graduated from this special school.

From 1943 through 1947, various helicopter proposals were put forward, and starting in 1944, the Coast Guard began to acquire actual copies of available helicopters, experimenting with them and learning their capabilities and limits. Almost a dozen types were acquired, flown and investigated in the 10 years following 1944.

As in the case of all infants, the early helicopter went through a series of "growing pains": it was underpowered, and often attempted feats beyond its juvenile capacities. The problems were many and some of them have not yet been solved. Nevertheless, the helicopter held out the promise of slow flight for adequate search as well as the ability to land on almost any surface and even to hover over the surface and perform rescues by means of a hoist.

With added power and an accompanying increase in lifting ability will inevitably come longer flying ranges. However, one factor in which the helicopter may never match its fixed-wing brethren is speed.

What are some of the specific capabilities of modern helicopters? Generally, helicopters capable of effecting a rescue can carry a half-dozen or more persons in addition to their crews. Night rescues can and have been made, but the difficulties of finding a boat at sea in the dark, of maneuvering a helicopter into position and keeping its revolving motor blades clear of masts, stays, antennas, etc., are considerable. The range of the smaller hoist-equipped Coast Guard HO4S-3G is about 300 miles, or about 150 out and 150 back.

WAFB In Process Of Steady Expansion

The nation's 10th Armed Forces Day finds Webb Air Force Base in process of steady expansion to care for an increased and diversified defense mission.

Several major projects recently completed add to Webb's capability in West Texas' growing military complex, and several million dollars worth of construction is on the way to completion. Another group of sizeable projects will begin as soon as bids can be let; others, more tentative, await funding.

The largest single item, a 460-unit, \$6,500,000 Capehart Housing area adjacent to Webb, is nearing realization, with families at the top of the list preparing to move into the first of the long-awaited new units. This inflow of families of Webb officers and airmen will continue over a period of several months as succeeding blocks of new duplexes are completed and pass inspection. Construction, by the firm of Williams and Dunlap of Dallas, has been under way since January 1958.

Two other allied military housing projects, widely scattered, involving Webb personnel are simultaneously nearing completion — at Ozone Air Force Station, Tex., and Pyote Air Force Station, Tex. For the 732nd Aircraft Control and Warning Squadron at the latter, 27 three-bedroom, single frame units each are almost ready for occupancy.

This housing construction, totaling some \$405,000 for each installation, is being carried out by the firm of Harwell and Guyler of Lampasas, under direction of Central Air Command, Kansas City, Mo.

Since Webb is support base for the squadrons, Webb personnel are monitoring progress of construction and when the houses are completed and accepted will assume responsibility for their operation and maintenance.

Also scheduled for completion about Armed Forces Day is a Manual Operations Wing on the Operations Building at each base. At Ozone the \$125,553 project is being prepared by the Nesom Construction Co. of San Angelo, and the Pyote project, costing \$107,064 is the work of Newton Construction Company of Odessa. For the future, an Automatic Operation Wing is programmed for addition to the operations facility of each of these stations.

Both remote squadrons, although supported by Webb, an Air Training Command base, belong to the major Air Force grouping known as Air Defense Command.

Also a part of ADC, a member of the 33rd Air Division at Oklahoma City Air Force Station, Okla., is the 331st Fighter-Interceptor Squadron, which moved to Webb Air Force Base last summer, under the command of Lt. Col. Richard C. Watson. That tactical organization added a new factor to the training mission of the 3560th Pilot Training Wing, under command of Col. Kyle L. Riddle, which until then had been Webb's chief military function.

SAC Planes Will Fly Over Region

ROSWELL, N. M. — A demonstration of airpower to the citizens of New Mexico and Texas within a 200-mile radius of Walker Air Force Base will be made on Saturday.

Two B-52 Stratofortresses and one KC-135 Stratotanker from Walker's 6th Bombardment Wing will participate in a low-level fly-over beginning early Saturday morning. This display will be a portion of Walker's observance of Armed Forces Day.

The Stratofortresses will take off from Walker Air Force Base at 10 a.m. Saturday morning, and will fly over Carlsbad at 10:35 a.m.; Santa Fe at 9:47 a.m.; Clovis at 10:20 a.m.; Cannon Air Force Base at 10:22 a.m.; Reese Air Force Base at 11:39 a.m.; Lubbock at 11:42 a.m.; Big Spring at 11:59 a.m.; Webb Air Force Base at noon, and Amarillo at 12:35 p.m.

Airborne Division Uses Little John

Simplicity and reliability are two words to describe the Army's Little John, a 12½-inch rocket, about 12 feet long, which packs more explosive power than heavy artillery.

The Little John is fired from lightweight launchers and ground equipment which are adaptable for an extremely high degree of mobility on the ground and are easily airlifted.

Little John has now been issued to the 101st Airborne Div., for training and development of combat techniques.



ARMED FORCES DAY—1959. Power for Peace involves duty around the globe for members of the Armed Forces and our Free World friends. Here, two citizen-soldiers—Eskimo members of the Alaska National Guard—look across the Bering Strait toward a Russian-held island just 3 miles away.

Accommodations for the new fighter squadron account for a large part of the projects included in bids recently let and also for the majority of sizeable projects already under construction. On April 23 the firm of Peter Kiewit Sons, Oklahoma City, Okla., was adjudged apparent low bidder for its bid of \$1,234,632.25 for the following projects: 1,000' x 150' overruns at each end of the runway at Webb's Auxiliary Field at Colorado City, Tex., and, at Webb, operational aprons, runway extension and overruns, alert taxiways and additional water and gas mains.

Those projects already under construction, totaling \$1,607,212, are as follows: Rocket Assembly Building \$124,000; Alert Hangar \$56,995; Maintenance Hangar 717,548; Readiness Crew and Flight Simulator Buildings 231,669; Engine Inspection Shop 167,000. Bids are scheduled to be opened during May on three other projects totaling approximately \$1,000,000 in value. These projects and dates advertised for bid opening are: Service Club extension (May 20), ammunition storage area (May 21), and electrical outlets and utilities (May 26).

Three items completed and accepted during recent weeks are: Addition to Base Exchange, \$51,700; aircraft wash rack, \$74,446; and a remote, automatic gap-filler radar station, \$32,485. (The last named facility, near Webb and maintained by Webb personnel, ties into the ADC Aircraft Control and Warning facility at Sweetwater.)

Bid openings have been tentatively scheduled for June for three other additions which are expected to total some \$200,000 in value. These are an Instrument Landing System (ILS) facility, a Communications Receiver, and a UHF Directional Finding facility.

Several other large, but still tentative, projects are expected to be funded during the fiscal year beginning July 1. Webb's growing physical facilities and increase in personnel are reflected in base statistics. Total operating expense for the base for fiscal year 1958 (including military and civilian pay, supplies, contractual services, etc., but not the construction, above) was \$17,900,000.

For the fiscal year 1959, expenses of the first nine months alone total \$14,300,000. At this rate the total for fiscal year 1959 will be approximately \$19,000,000—\$1,100,000, or 6 per cent, over 1958. (Expenses listed above do not include pay of personnel of tenant organizations or money budgeted for their higher headquarters for expenses

peculiar to their operation.)

Total monthly average base population in fiscal year 1958 was approximately 3,000. For fiscal year 1959 to date, the average is 3,241, or 8 per cent over fiscal year 1958. The most significant increase during the current 1959 fiscal year has been in the buildup of tenant strength. An average of 77 new persons arrived at Webb each month in the previous year 1958 as compared to a monthly average of 384 during the current fiscal year.

Congratulations Webb

On Your 7th Anniversary



We are proud to have you with us. We invite your womenfolk to come in and visit us any time.

You're Always Welcome

Margie's

1018 Johnson

AM 3-2612



We are happy to join in expressing our sincere appreciation to Webb Air Force Base and its entire personnel for your important contribution to the social, civic and economic life of this community.

We trust that it shall be our good fortune to observe many more anniversaries with you in Big Spring.

Gibbs & Weeks

109 E. 3rd

MEN'S STORE

AM 3-2051

CONGRATULATIONS



MEN OF WEBB AIR FORCE BASE

ON YOUR 7th ANNIVERSARY IN BIG SPRING

This is our first year here . . . but we hope you find our food and service suit your every need.

Desert Sands Restaurant

West Highway 80 (Air Base Road Intersection)

PARTNERS FOR PEACE

BS-WAFB

We are honored to have Webb Air Force Base as a part of the community of Big Spring. We deeply appreciate the important part it plays in the civic, social and economical life of our town.

HAMILTON

OPTOMETRIC CLINIC

AND

PRESCRIPTION LENS LABORATORY

106-108 West 3rd

Dial AM 3-2051

We greatly appreciate the opportunity to be of service to the community of which the folks at Webb Air Force Base are a very important part.

Congratulations To The Men And Women Of Webb Air Force Base On Your Seventh Anniversary

W APPRECIATION B B B

The State National Bank

Navy Relies Heavily On Effectiveness Of Polaris

Navy officials, intent on the responsibility of more adequately safeguarding this nation from possible attack by an enemy power, counts heavily on the effectiveness of its renowned Polaris ballistic missile.

The Polaris, now in final stages of development, will have a range of 1,500 miles and is rigged to carry a thermonuclear warhead. The Polaris is scheduled for service aboard nuclear powered submarines in the fleet in 1960. The combination of the missile, the submarine and the supporting launching and handling, fire control and navigation equipment will constitute the Fleet Ballistic Missile Weapon System.

The Polaris weapon system development is being managed for the Navy by the Director of the Special Projects Office, Navy Bu-

reau of Ordnance, Rear Admiral William F. Raborn Jr. Assisting him is an imposing team of Navy missile experts, major industrial firms, and scientific leaders.

Polaris missile system manager and prime contractor is the Missile Systems Division of Lockheed Aircraft Corporation. Major sub-contractors to Lockheed on the missile are: Aerojet-General corporation for propulsion, General Electric Co. for guidance, Westinghouse Electric Corporation for launching equipment and General Electric for fire control.

Advanced navigational systems are being developed by Sperry Gyroscope Company and the Autometrics division of North American Aviation. Massachusetts Institute of Technology is collaborating with the various industrial firms on guidance, fire control and navigation. The Atomic Energy Commission is developing the warhead.

Plans for Polaris, named after the North Star, were first announced in January, 1957. Because of the space, weight and handling limitations of its shipboard mission, Polaris was designed to be smaller and lighter than other IRBMs in the nation's arsenal. In January, 1958, the Navy announced an accelerated development schedule with the 1960 target date for operational use.

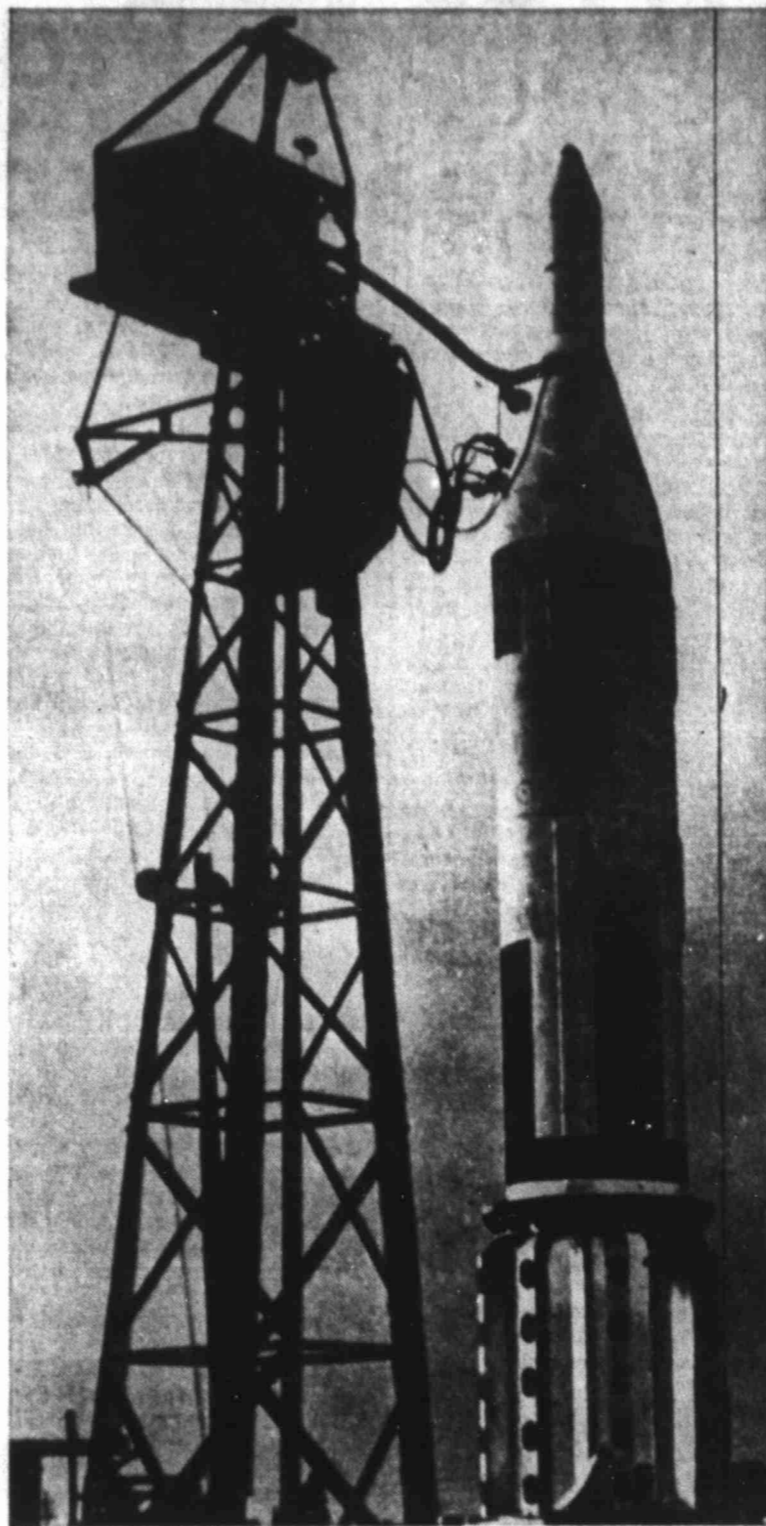
On the heels of this announcement came reports of successful firing of a test vehicle in the Polaris program on January 17, 1958. In ensuing months several other successful test vehicle firings were reported. These test vehicles were of various shapes and sizes, designed to test in flight major systems and components designed for the Polaris itself. Recently, a new series of test firings have begun, employing more advanced test missiles. The flight test program is conducted at the Atlantic Missile Range at Cape Canaveral, Fla. by Lockheed engineers and technicians working with the Navy.

Next to the standing launch pad at Cape Canaveral a Ship's Motion Simulator designed and manufactured by the Loewy Hydrographic Division of the Baldwin-Lima-Hamilton Corporation has been installed, from which test vehicles will be launched under conditions approximating those encountered from a ship at sea. Following the simulated seagoing launch, Polaris test vehicles will be launched from the U.S.S. Observation Island (EAG-154), that has been especially converted for this purpose.

The launcher test programs have been in progress for some time. Operation Peashooter, at San Francisco Naval Shipyard, was a dry land operation to pioneer testing of methods of ejecting the missile. "Operation Pop-up", at San Clemente Island, was a series of launch tests from a submerged launcher.

Like the other ballistic missiles, Polaris will be basically a projectile traveling a ballistic path through space, lifted to altitude and set on course by its original propulsion and guidance components, and then governed by natural forces such as gravity on its way to the target. The missile is designed especially for submarine use and will use a solid propellant fuel. Polaris is the Navy's equivalent to the Jupiter IRBM in the Fleet Ballistic Missile System. The Navy's part in the Jupiter program was essentially to develop a shipboard launching system. Its range will be about 1,500 miles.

A converted cargo ship — now the Compass Island (EAG-153) —



THE NAVY'S POLARIS MISSILE . . . to be launched from submarines

was commissioned in November, 1956, to develop the accurate navigational equipment needed for accurate shipboard use of an IRBM. The result is the Navy's Ship Inertial Navigation System (SINS), which can position the firing ship with such accuracy that its missiles can strike target areas at 1,500 mile ranges. SINS determines true north, ship position and speed to supply the data necessary for pinpoint firing.

Deployed in submarines cruising the world's oceans, Polaris is planned to be a deterrent weapon, inhibiting any potential aggressor from striking the first blow by threat of retaliation from such hidden, mobile launching platforms. Additionally, Polaris will have a tactical mission to beat

down fixed base air and missile defenses and pave the way for carrier strikes aimed at destroying mobile or concealed primary targets.

Merchant Marine An Important Force

The Coast Guard's traditional concern with maintaining a safe and efficient Merchant Marine took on even greater importance during the war. To help further this objective, a Merchant Marine Council was formed which was headed by the Commandant of the Coast Guard. The council, which is still functioning, served as a fact-finding and policy-making body in all matters concerning the Merchant Marine.

Special consideration was given to improving safety factor in ship construction and safety at sea generally. To this end, annual inspections were completed on merchant ships, casualties to merchant ships and personnel investigated, and close attention given to the enforcement of navigation laws and to the welfare of Merchant Marine personnel.

Nike Is Designed For Anti-Aircraft Role In Defense

One of the Nike — series missiles will probably be used if an enemy plane or missile is ever spotted over the U. S.

Beginning with the Nike, the Army has developed a series of anti-aircraft missiles designed to intercept and destroy all types of bomber aircraft regardless of evasive action. Nike-Ajax units have been operational on site in the continental United States since 1953.

The Ajax is about 20 feet long and about one foot in diameter, with fins for guidance. The firing battery is completely mobile and can be employed in either fixed or field positions.

The Nike-Hercules is the nation's second land-based combat ready, completely mobile anti-aircraft missile system to be placed in action. It is a major advance over the Ajax. The Hercules is a relatively inexpensive and simple missile, using solid propellants, and has more range than the Ajax.

Under development is the Nike-Zeus to provide a defense against all forms of air threat in 1960-70. It is the only active system under development to meet the ICBM threat, according to the Army.

Prohibition Aided Coast Guard Cause In Aviation Field

The era of prohibition gets much of the credit for putting aviation into the U. S. Coast Guard.

Although coastal air patrols had been authorized earlier, Congress failed to appropriate sufficient funds for the service.

However, in 1926 the problem of smuggling, due to prohibition, had become so bad that \$152,000 was appropriated for five planes and Coast Guard air stations at Cape May, N. J. and Gloucester, Mass.

The fliers were so successful that in 1934 the Treasury Department consolidated all of its aviation activity under the Coast Guard, including 15 planes the Customs Service had operated until that time. Helicopters have since been added to the fleet, which includes several types of planes — transports, search and rescue craft, patrol planes, etc.

Mobile Defense For Use In Field

The newest of the Army's air defense weapons is the Hawk.

Soon to be placed in service, the Hawk will complement the defense provided by the Army's Nike-Ajax and Nike-Hercules systems wherever its extreme low-altitude capability is required. The Hawk System is designed for our air defense program as a mobile system used by both the Army and Marine Corps troops moving in the field.

This system is unique when compared with other systems because of its ability to engage low-flying targets at tree-top level, and its capability to maintain a rapid rate of fire.

The equipment, which is rugged and easy to maintain, is air transportable by helicopter or medium-sized aircraft.

The missile uses a solid-fuel propellant and is about 17 feet long and 14 inches in diameter.

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smartest way to go

the easy-living flats arrive!

Move in quick . . . get your pick while we have so many pampering styles!

Thong made-in-Italy glides on a cork wedge.

White or Blond softie leathers.

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as seen in Seventeen

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On Your 7th Anniversary

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ARMED FORCES DAY

May 16th

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BS-WAFB

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Congratulations **W.A.F.B. Personnel** On Your 7th Anniversary

May You Be With Us Many More Years.

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We Are Proud Of You **MEN OF WEBB**

W APPRECIATION B B

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BS-WAFB

Congratulations, Officers, Enlisted Men And Civilian Personnel On This, The 7th Anniversary Of WAFB

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BS-WAFB

OFFICIALS AND ALL EMPLOYES OF **WHITE'S STORES, Incorporated**

Want to localize their feelings of gratitude by voicing appreciation to the men of Webb Air Force Base and to their families.



Invasion From The Air

These Marines, in a mock attack, have brought in .30 caliber machine guns and rocket launchers to support their infantry invasion. All of the men and weapons are being brought in by helicopter, the Marines' latest invasion troop carrier.

Close Aerial Support Provided In Delivery Of Marine 'Punch'

For nearly 200 years, the Marine Corps has been a combat-ready organization in peace, with a hard-muscled punch in war. Today a major element in delivering that punch is Marine aviation. Apart from its man, other contributions to the science of modern warfare, a specialty of Marine aviation is the close support of troops in combat. Close air support means just that a swift aerial assault when and where it is most needed. It gives the troop commander a versatile, heavy weapon that he can use at his discretion — any hour of the day or night. He uses it when artillery or naval gunfire is with support gunfire. Each air mission must be integrated in detail with the fire and maneuver of the ground forces to insure the safety of friendly troops, to avoid interference with other supporting arms and to per-

Marines Reshape Landing Concept

In the summer of 1946, after the atomic explosions at Bikini, the Marine Corps set about to reshape its concepts of amphibious warfare; old methods were completely outdated. In 1947, that new concept took on the shape of a comparatively new type of aircraft — the helicopter. Its combat possibilities were largely theoretical in '47, but it has since become operational and has completely changed the tactics of the Marine Corps. The arguments for the helicopter in combat are embodied in the Marine Corps doctrine of vertical assault. The central features of the doctrine are: (1) helicopter transportability of all assault elements of a landing force. (2) disembarkation of the landing force in fast amphibious ships designed for rapid unloading by helicopter. (3) isolation of objective areas through sudden and concentrated destruction of enemy air and ground forces capable of opposing the landing attack. (4) use of helicopter assault forces for the ship-to-shore movement and seizure of widely dispersed inland objectives. (5) general use of the helicopter in subsequent tactical operations ashore. (6) exploitation of all weather air support for continued isolation of the objective area, reconnaissance, and fire support. (7) exploitation of the range and speed of transport aircraft to augment the presently restricted capability of the helicopter in providing reinforcements and logistic support for the landing force. Basically, this new amphibious doctrine is one of advanced mobility. It is characterized by an increased dependence on air units to transport troops, provide supplies and furnish around-the-clock, all-weather support. Indeed it may be said that Marine aviation not only contributes to the plan as a vital supporting arm, but also provides the basic mobility ingredient — the helicopter — without which the doctrine could not exist. The aviation elements of the Marine Corps, always essential in

Weapon Sizes In Wide Range

The Marine Corps isn't conservative about the size of its weapons. The range of sizes in the Marine arsenal extends from .38 caliber to 762 mm. In between, the Marine Corps has guns, rifles, and missiles designed for specific purposes, and each weapon has been proven in exhaustive tests. One of the Marines' most effective weapons is not a gun, however. The organization has found that the bayonet attached to the service rifle is the best for "close in" fighting. The fear of "cold steel" has caused many an enemy line to break and retreat when attacked by bayonet-wielding Marines. For hand guns, the Marine Corps has the .38 revolver and .45 automatic. The .45 is used principally by officers and non-commissioned officers whose duties require a light weapon. Meanwhile, the .38 is used for certain special personnel, such as aviators. The basic rifle of the Marine, as is the case of the Army, is the .30 caliber M-1, recognized as one of the top military rifles in the world. This nine-pound rifle has an effective range of 600 yards but is able to shoot over 3,500 yards. The Marine Corps also uses the .30 Browning automatic rifle holding 20 cartridges. It has about the same range and firing capabilities of the M-1 except it is automatic and is heavier — about 20 pounds total weight. Three types of machine guns are used in addition to the individually carried Thompson sub-machine gun, a .45 caliber weapon. The Thompson is designed for special personnel, such as tank crewmen and parachute scout teams. The three heavier machine guns, used from implacements, are the air-cooled .30, the water-cooled .30, and an air-cooled .50. The two .30s are used for ground warfare, while the .50 is used for ground, anti-vehicle, and anti-aircraft work. The rocket launcher category brings the largest weapon in the arsenal, the 762 mm (about 30 inches), truck-mounted Honest John, a rocket also issued to the Army. The surface-to-surface free-flight rocket can be equipped with either conventional or atomic war heads. A 3.5-inch rocket launcher, an outgrowth of the World War II "Bastogne" rocket, used by Marines to stop tanks and its shell will penetrate about 11 inches of some types of armor plating. The 4.5-inch rocket launcher consists of three rows of eight tubes each. These rockets are used to smother a target area rather than for the purpose of hitting a specific target. They were widely used by Marines in Korea. The Marine Corps uses three sizes of mortars, 60 mm, 81 mm, and 4.2 inch — the first two hand-carried. The 4.2, however, weighs 333 pounds. All can fire high explosives or smoke-type ammunition. The Marines use two recoilless rifles, the 75mm and 106 mm against motor vehicles, tanks and fortified implacements. For artillery, the Marines depend on the 75mm pack howitzer (for short range), the 105 mm howitzer, the 155 mm howitzer, and eight-inch howitzer.

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Now a tire that will last you longer... That's what you get with the all new Seiberling CARBOJET tread. Millions of tiny carbon particles in CARBOJET provide extra strength... extra toughness... extra mileage... adds up to more safety for you.

Nationally advertised \$18.95*
at '33"
7.50 x 14 you.

*Plus tax and re-chargeable tire

We take this opportunity on the 7th Anniversary of Webb, to give our praise and say that we sincerely appreciate all of the benefits Webb has brought Big Spring.

"Your Home Owned Tire Headquarters"
Charlie Creighton - Dalton Carr

Creighton Tire Co.

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PARTNERS FOR PEACE

BIG SPRING WEBB AIR FORCE BASE

the Botany '500' look

as tailored by Daroff

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ENJOY THE COOLEST, LIGHTEST 2-FLY TROPICAL SUIT YOU EVER SAW OR WORE

...its secret is in the world's rarest yarns skillfully blended with Dacron. The secret of its "BOTANY" '500' LOOK is in the tailoring genius of Daroff. Truly, one of America's greatest clothing values. **\$65**

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Lee Hanson
MEN'S STORE
Dial AM 4-5731



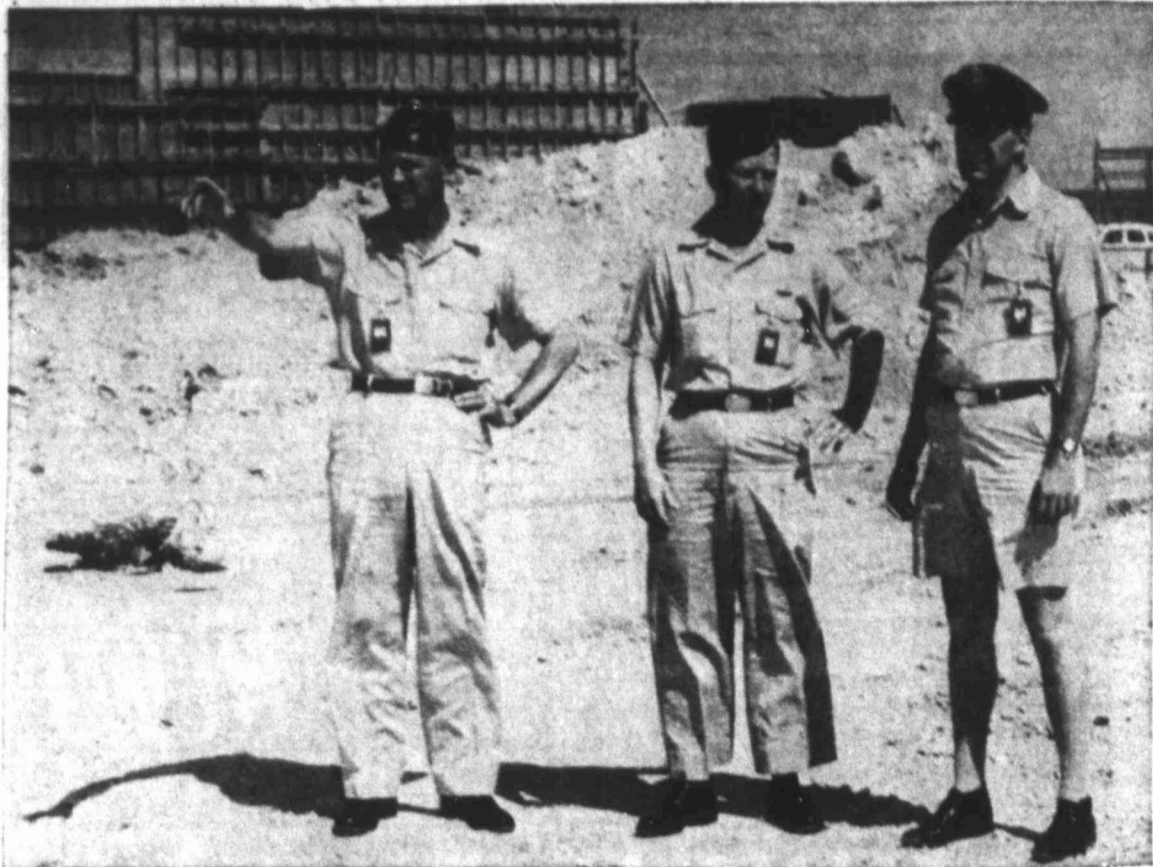
Best Wishes To WAFB On Your 7th Anniversary In Big Spring

To the personnel and families of Webb Air Force Base, we would like to express our deep appreciation for your fine cooperation in the civic, social and economic well being of our city... It is a real pleasure having you among us, and we look forward to the observance of many more of your anniversaries.

We Deem It A Privilege To Be Able To Serve You In This Splendid Community

FURR'S

900 11th Place and Young St.



331st STAFF MEMBERS LOOK OVER ROCKET ASSEMBLY BUILDING
Maj. John B. Kouns, Capt. Frank B. Brosn, 1st Lt. Edward L. Kennedy

Fighter-Interceptor Unit Will Greet Visitors, Stay On Alert

The 331st Fighter-Interceptor Squadron will welcome visitors on its first Armed Forces day at Webb AFB — but it won't relax. The squadron, part of the Air Defense Command, will maintain its round-the-clock watch against possible aerial intruders.

This will be at the temporary quarters on the east side of the base runways. However, permanent facilities for Webb's new element are taking recognizable shape on the far west side of the Webb reservation.

Although the entire site will not

be occupied until sometime in calendar 1960, several of the major units have assumed impressive proportions. Among these are the Rocket Assembly Building, Alert and Maintenance Hangars, Flight Simulator Building, Readiness Crew Building, and Engine Inspection and Repair Shop.

The 331st Fighter-Interceptor Squadron, part of the 33rd Air Division, Oklahoma City AF Station, Okla., belongs to the Air Defense Command but is supported by Webb, an Air Training Command base. It arrived at Webb near the end of August 1958 and became operational in only six short weeks. Before the move, the unit was based at Stewart AFB, N. Y. First alert commitment here was fulfilled on October 17.

Lt. Col. Richard C. Watson is Commander of the squadron and Capt. Frank B. Brosn is Executive Officer. Maj. John B. Kouns is Chief of Maintenance and 1st Lt. Edward L. Kennedy Jr. is Administrative Officer. First Sergeant is M.Sgt. Robert Wells.

Forces Serve As Defensive Shield, Says President

The third Saturday in May, Armed Forces Day, has become an important date in America, said President Eisenhower in urging citizens throughout the land to participate in AFD activities nearest their homes.

"Every effort will be made to increase public understanding of the role of our armed forces as a defensive shield serving in partnership with friends around the world," said the President.

"Armed Forces Day 1959 provides an opportunity for our people to demonstrate their belief in the constructive power for peace — to which the armed forces of the United States are totally committed."

Honest John Is King-Size Artillery

Capable of carrying an atomic warhead, the Army's Honest John long-range artillery rocket is designed for close fire support of ground combat units.

The Honest John is a free-flight rocket as distinguished from guided missiles. Having no electronic controls, it is simple in design and simple to operate. Range is equivalent to medium-to-long range artillery. It has considerably more battlefield mobility than conventional artillery and one round can deliver on the target the demolition effect of hundreds of artillery shells.

The Honest John system consists of a rocket weighing several tons and a highly mobile self-propelled launcher.

Nation's First Military Plane Hit 42 MPH Speed On Test In 1909

The nation's first military plane was tested and accepted on July 30, 1909. Speed: 42 miles per hour.

Today, nearly 50 short years later, the Air Force and other armed services are hurling missiles beyond the pull of gravity.

Less than three years after the Wright brothers made the first powered flight on Dec. 17, 1903, at Kitty Hawk, N.C. seeds of the United States Air Force were planted with establishment of an Aeronautical Division under the U. S. Army's Signal Officer. Now this branch has planes in the air around the globe 24 hours a day and is thinking of bases that will circle the earth in outer space.

Before it became known as the United States Air Force, this branch had many titles. In 1914 it was renamed the Aviation Section of the Signal Corps; in 1918 it was separated from the Signal Corps and renamed the Army Air Service; in 1926 it became the Army Air Corps, and in 1941 the Army Air Forces. During World War II it operated under a command of the Air Forces, and in 1947 it became a separate service under the National Security Act.

If the military was quick to perceive the possibility of aviation back in 1909, it was slow to grasp its full potentialities. Planes were considered useful primarily for air-to-ground observation, and in 1917 when we entered World War I, not a one of the 55 planes was armed.

Congress promptly appropriated \$640 million and the air arm bloomed from 78 pilots to 17,540 air cadets. In September 1918 Brig. Gen. Billy Mitchell directed the Allied armies air units in Europe in dropping an unprecedented 32 tons of bombs. This seems puny by comparison with A-bombs and hydrogen bombs the equivalent of 20,000 tons of TNT, but it was a historic pioneering of air cover in attack.

The late Gen. Hap Arnold said that it wasn't until 1935 that the Army Air Corps "had the airplanes, accessories installations . . . necessary to provide air power for the United States." However, the decade 1920-30 has been described as the golden age of aviation, for it was a time of discovery about aircraft design, the men who flew and maintain planes, the problems of high flight, gravitational pull in turns, air navigation, weather, etc. This was the period of great foundation for aviation.

Although the B-17 had been tested in 1935 as a high altitude strategic bomber, the nation had only 13 of these when the Nazis loosed the big war in Europe in 1939. Under the sheer challenge of survival, we recouped so that instead

of a handful of planes against the Nazi Luftwaffe with its 15,000 planes we had 10,000 planes and 300,000 men. By the war's end in 1945, there was an air force of more than 2,253,000 persons and about 63,715 planes.

While GI Joe still had to bore in and capture and hold ground, everywhere the Air Force gave him protection and often screened his advance with heavy bombardments. The Air Force materially shortened the war in the Pacific with its striking power. It opened a new age by dropping the first atomic bomb on Hiroshima in August of 1945.

The end of the war brought sharp curtailment of the Air Force, which immediately dropped to 1,800,000 men and 50,000 planes, and ultimately to 17,000 aircraft with less than 7,000 first line combat units.

With eruption of the Korean episode, the Air Force did heroic evacuation work and destroyed a number of enemy planes at the outset. Korea became a testing

ground for the Air Force, which inflicted 200,000 casualties on enemy troops besides destroying and damaging innumerable roads, bridges, stores of supplies, etc. This period saw the fruition of jet powered craft. Of the 1,018 enemy aircraft destroyed, 838 were

Russian MIG-15s and all but 38 of these were downed by USAF F-86 Sabrejet interceptors. The ratio of kills was 14-1.

Following the establishment of the Air Force as a separate service in 1947, its assignment was clarified in a "functions paper"

in 1954 and again in a 1957 directive. One of the main jobs given to the Air Force was to "gain and maintain general air supremacy." This charge has taken it as high into space as an enemy might go.

Other functions of the Air Force are to conduct strategic warfare; to be responsible for defense of the United States against air attack; to defeat enemy air forces; to control vital air areas; to furnish close combat and logistical air support to the Army, including airlift, support, resupply of airborne operations, aerial photography, tactical reconnaissance and interdiction of enemy land power and communications.



Bouquets are in order



We of the Big Spring Floral Ass'n extend a bouquet to those at Webb Air Force Base on their 7th Birthday

Quigley Floral
1512 Gregg Phone AM 4-7711

Cottage of Flowers
1309 Gregg Phone AM 4-8992

Faye's Flowers
208 Gregg Phone AM 4-2571

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Select His Gifts At His Favorite Store. We Have A Large Selection Of Ideal Gift Suggestions In Any Price Range. Free Gift Wrapping, Too. Shown Here Are Just Eight Top Gifts From Our Collection.

 SPORT SHIRTS FROM \$2.95	 KNIT SHIRTS FROM \$3.98	 SWIM SETS FROM \$9.90	 TIES FROM \$1.50
 DRESS SHIRTS FROM \$4.00	 SOX FROM 75¢	 Bermuda Shorts FROM \$3.98	 SLACKS FROM \$7.95



We Join Other Big Spring Firms In Offering Congratulations To Webb On Its 7th Anniversary



102 E. 3RD
We Give And Redeem Scottie Stamps

W APPRECIATION

Congratulations To The Personnel At W.A.F.B. On Your 7th Anniversary May 16.

TOT 'N' TEEN

901 Johnson AM 4-6491

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BS-WAFB

Congratulations Webb Air Force Base On Your 7th Anniversary We are happy to have you in our city

- DRUGS
- SUNDRIES
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- NOVELTIES
- VISIT OUR SANITARY SODA FOUNTAIN

Edwards Heights PHARMACY

SELF-SERVICE
Open 8:00 To 10:00
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OUR SINCERE BEST WISHES TO YOU ...

WAFB Personnel

On Your 7th Anniversary ... We Are Proud To Have You As Neighbors

It's Been Our Pleasure To Serve You
May Your Stay In Big Spring Be Long And Happy
You Are Always Welcome At ...

FASHION CLEANERS

105 W. 4th AM 4-6122

W APPRECIATION

Congratulations To The Men of WAFB On Your 7th Anniversary

DEBONAIRE SLIP-ONS

WESBORO
SHOES FOR MEN

Enjoy Slip-On comfort in both slacks AND suits ... the Wesboro way. Not just a casual but a dress shoe as well. Light and comfortable at a price you can afford.

Black or Brown A to D Widths

\$9.95 to \$14.95

J&K shoe store

Home of the Veeva, Red, City Club and Washburn Shoes

again in a 1957 of the main jobs given to the Air Force was to gain in general air supremacy charge has taken it space as an enemy

tions of the Air Force act strategic warfare; nsible for defense of States against air at- est enemy air forces; tal air areas; to fur- combat and logistical to the Army, includ- support, resupply of rations, aerial photo- logical reconnaissance tion of enemy land communications.



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Flowers e AM 4-8992

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\$9

Of Ideal Gift ere Are Just

TIES FROM \$1.50

SLACKS FROM \$7.95

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Working Hard To Make A Dream Come True --

For 2nd Lt. Sammy H. Cardwell and scores of other student pilots at Webb AFB, learning to fly a jet airplane is a cherished goal. Who can deny that there is a touch of glamor about sending a sleek craft streaking through the sky and mastering skills that help secure

the security of this country? But becoming a pilot is no picnic. Lt. Cardwell and his buddies arrive early and stay at the job late, dreaming of the day when they will wear those silver wings.



INSTRUCTOR STARTS EARLY TO MEET STUDENT



HE GETS FEEL OF AIR IN GROUND TRAINER



INSTRUCTOR McMILLAN BRIEFS HIM FOR TAKEOFF



LTS. CARDWELL, BALLARD, BOSSELMAN HEAR LT. McMILLAN LECTURE



LT. GERALD McMILLAN CHECKS CARDWELL OUT IN T-33 JET



EVEN AT CHOW THE TALK IS ABOUT FLYING



FLEDGLING FLIERS HAVE TO KEEP IN GOOD CONDITION



SURVIVAL MAY DEPEND ON KNOWING ALTITUDE



WEARY INSTRUCTOR CALLS IT A DAY



Electronic Expert

HOUSTON (AP)—The hospital nurse of the future was pictured Thursday as a young lady with a cost-free education who manipulates fantastic electronic devices. "And the patient is likely to come to her rather than her go to the patient," Mrs. Julia Kasmeier of Austin said. Addressing a section of the

(The above sequence of photographs were provided by the photographic section at Webb AFB in cooperation with the Office of Information Services to convey to you the idea that much is involved in the daily routine of training a pilot for the United States Air Force.—Ed.)

30th annual convention of the Texas Hospital Assn., Mrs. Kasmeier spoke of overhead trolleys that would shuttle patients from their beds to operating rooms, clinics, bandaging stations and other facilities within the futuristic hospital.

Conratulations To Webb Air Force Base On Your Seventh Anniversary

NALLEY PICKLE FUNERAL HOME

MEMBER National Selected Morticians DIAL AM 4-6331

Polish Baptists

WARSAW, Poland (U)— Polish Baptists have received government approval to build a new Baptist church in Warsaw with the American Baptist Foreign Mission Societies contributing \$30,000 of the estimated \$80,000 cost.

BEST WISHES WAFB ON YOUR 7th Anniversary

PARTNERS FOR PEACE

BS-WAFB

We At Vernon's Are Proud Of Our Associations Of The Past 6 Years

VERNON'S

602 Gregg Dial AM 4-4604

Congratulations ---to the Personnel at W.A.F.B. On Their 7th Anniversary

You Are Playing A Major Role In Maintaining National Security. Keep Up The Good Work!

ARMED FORCES DAY

THOMAS OFFICE SUPPLY
Mr. & Mrs. Eugene Thomas
101 Main Dial AM 4-6621

W APPRECIATION

Congratulations... To The Entire Personnel Of

W. A. F. B

We Offer Our Congratulations On Your 7th Anniversary In Big Spring

We appreciate your patronage these seven years and are proud to have you as citizens of this community -----

R&R Theatres

PARTNERS FOR PEACE

BS-WAFB

Our Best Wishes To WEBB AIR FORCE BASE On Your 7th Anniversary

We are proud indeed to have had you in Big Spring for the past 6 years... and hope we have made you feel at home.

Gibson trimline
the trim new look of modern living in Refrigerators

Super Custom 2-Door Refrigerator-Freezer

Value-packed with Gibson features. 14.0 cu. ft. capacity. Cycle-Matic defrosting. Freezer—100 lb. true freezer. Ice Chest and Magic Touch ice cube ejector. Juice can dispenser. Frozen food package dispenser with guard. Refrigerator—2 full width shelves (1 sliding adjustable) and 2 half shelves. Two 15-qt. sliding porcelain crispers, sliding 15-qt. porcelain meat chest. Adjustable door racks, deep door shelves. Removable egg racks, butter, cheese and leftover compartments. White Hylux exterior, Frosty Poach porcelain interior with Charcoal Grey trim. Height 68", width 29 1/2". Depth 28 1/4". Shelf area 18.9 sq. ft. 3 ice trays, 56 cubes.

Model GT-15800 **\$349⁹⁵**
Reg. \$469.95 PLUS TRADE-IN

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"YOUR FRIENDLY HARDWARE STORE"

203 Runnels AM 4-6221



MR. MERCHANT:
 YOU GOTTA TELL 'EM
 TO **SELL** 'EM!

and you can tell 'em with the

BIG SPRING DAILY HERALD



Your newspaper ads reach the family . . . your best customers! Get best sales results with Big Spring Daily Herald Ads!

Read in more than 10,000 homes in your trade area. There's something in every Herald to interest everyone!

With family income at the highest level in history, it's important to get your sales story across to the family to make your cash register jingle! Your ads in this newspaper reach the family in a receptive mood . . . at home! Tell them

your "news" and get your share of their business with the help of The Big Spring Daily Herald Advertising Service! Headlines, copy, layouts and artwork are all designed to save more for you, help you sell more goods!

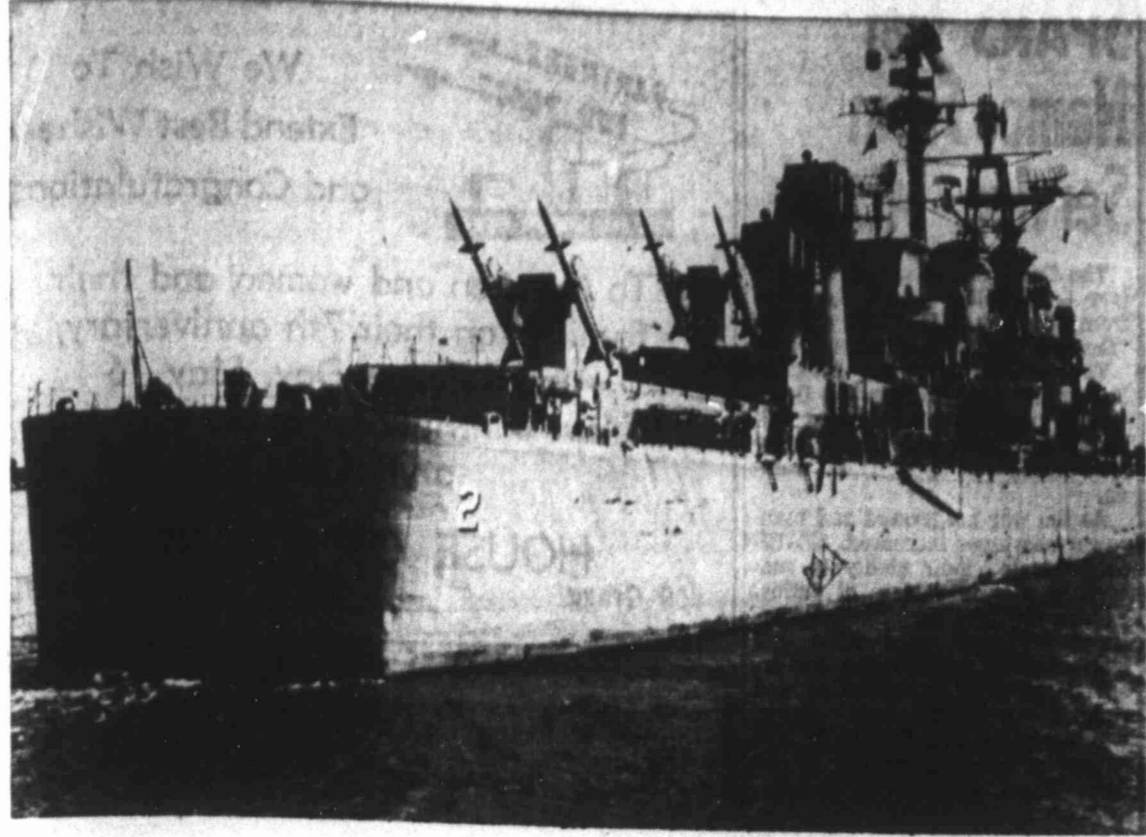


BIG SPRING DAILY HERALD



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USS Canberra Missile Cruiser

Here's a new member of the formidable American battle fleet—the USS Canberra, second of the Navy's missile launching cruisers. It has another distinction—it is the only U. S. Navy vessel which bears the name of a city in a foreign country. Missile launchers are shown on the deck in the photograph.

Navy Has Developed Imposing Array Of Specialized Missiles

Sidewinder, Regulus I, Terrier, Sparrow, Petrel, Talos, Tartar and Polaris.

These nouns are scheduled to become increasingly familiar to Americans in the future. Some have already been so widely publicized they are already well known.

They are rocket missiles of the United States Navy—the weapons which the Navy is developing or has developed which is believed will insure the safety of this nation from attack by its enemies.

Each of these fantastic devices has its own particular characteristics. The Navy believes each has its special place in the overall defense picture.

The Navy describes the weapons as follows:

SIDEWINDER, Named after the desert rattlesnake, the missile is guided by an infra-red or heat-seeking device. The missile seeks the target by homing on the heat emitting from the aircraft. It is a relatively inexpensive and reliable weapon measuring 9 feet in length and weighing about 155 pounds. Sidewinder is designed for destroying high-performance enemy fighters and bombers from sea level to altitudes over 50,000 feet. The missile, which has very few moving parts and no more electronic components than an ordinary radio, requires no specialized technical training to handle and assemble effectively.

The missile is now the primary guided missile weapon used by aircraft squadrons in the Sixth Fleet in the Mediterranean and the Seventh Fleet in the Western Pacific.

Development of the Sidewinder was assigned to the Navy Ordnance Test Station of the Bureau of Ordnance, China Lake, California, in 1950. William B. McLean of the test station, who originally developed the missile, saved the Navy over \$40 million. He was subsequently awarded \$25,000 for his outstanding achievement.

REGULUS I was the first operational attack missile to join the Fleet. It is a surface-to-surface missile resembling a modern swept-wing jet fighter about 30 feet long. Its range is in the 500-mile class, and it travels at high subsonic speed. The missile, capable of carrying a nuclear warhead, is powered by a turbojet engine, and is guided by an electronic "brain." Regulus I launching equipment can be installed in a short period of time on several types of vessels at relatively low cost, with only slight modification to the ship itself. An improved missile known as Regulus II has started its evaluation phase.

The ships currently in commission which have Regulus I missile capability are four cruisers and four conventional submarines. Under the present shipbuilding program, the following additional ship will have Regulus I missile capability: One nuclear-powered submarine.

TERRIER is an all-weather surface-to-air missile. Designed to intercept enemy aircraft at long range and higher altitudes than conventional anti-aircraft guns, the 15-foot weapon weighs about 1.5 tons, has a range of about 10 miles, and utilizes a solid-fuel rocket motor. It employs beam-riding guidance.

The missile is suitable for shipboard use or beachhead operations with the Marine Corps. Shipboard Terriers are selected automatically from the magazine and loaded on the launcher which is then automatically trained, elevated, and fired. The entire operation takes only seconds. Radar then guides Terrier to the target.

Terrier is the result of eight years of research and development by the Applied Physics Laboratory of Johns Hopkins University, Silver Springs, Maryland, under direction of the Bureau of Ordnance.

SPARROW I is an air-to-air missile which became operational in the Fleet in the spring of 1956. It is 13 feet long, weighs 300 pounds, and has a speed of over 1,500 mph. It is powered by a solid-propellant rocket motor. After being fired from Navy fighters either singly or in rapid sequence salvos, the Sparrow is guided to a target by a beam transmitted by the launching aircraft's radar. It does not have nuclear capability. The missile, developed by the Bureau of Aeronautics and the Sperry Gyroscope Company, is a versatile weapon, permitting effective attack against high and low alti-

tude enemy jet bombers and fighters. It has been phased out of production.

SPARROW II was developed by the Raytheon Manufacturing Co., Boston, Mass. It is replacing its predecessor, Sparrow I, in fleet air defense. The new missile is 12 feet long, weighs about 350 pounds, and attains a speed of over 1,500 mph within seconds after launching. It is an all-weather missile which can be fired above or through clouds with accuracy. Navy fighters can carry two to four Sparrow IIs. It will be the primary weapon for many present and all future all-weather fighters.

REGULUS II, an improved version of Regulus I under development, incorporates the basic components of its predecessor but is in the 1,000-mile plus range and is designed to exceed speeds of Mach 2. It is 57 feet long, has a 20-foot wing span.

Unlike ballistic missiles, which are capable of only one path of approach to a target, Regulus II can be guided to its target in an infinite variety of ways. For instance, the missile may approach targets at 60,000 feet, descend to 500 feet 50 miles from target and hit the target from this low angle. It may approach at 60,000 and power dive to impact from directly overhead. Or the missile may approach target at 5,000 feet, ascend to 20,000 feet 100 miles from target and dive to impact from overhead.

Thus, the path or "profile" of attack can be adapted to the environment of the target, the circumstance of the enemy defense or the objective desired. No enemy can predict from what direction or at what speed the missile may attack.

A recoverable version of both missiles is equipped with a retractable landing gear. This version flies pilotless missions and lands intact on runways so it can be flown again.

PETREL is an air-to-surface weapon 24 feet long, with a wing span of 13 feet, and weighing 3,800 pounds. It is powered by a turbojet engine and uses radar homing for guidance. Although presently operational within the Naval Air Reserve, it has been phased out of production.

TALOS is a supersonic surface-to-air missile named after a Greek mythological demigod who guarded the island of Crete. Talos is powered by a ramjet 40,000 horsepower engine, weighs about 3,000 pounds and is about 20 feet long and 30 inches in diameter. It can destroy enemy aircraft at extremely high altitudes and has a range of over 65 miles. Since a ramjet must be boosted to supersonic speed, a solid-propellant rocket is utilized during the few seconds of the boost phase. The booster falls away and the ramjet engine takes over the propulsion job. The missile is guided to the target by a mechanical brain within the weapon. When it is within lethal range, a proximity fuze detonates the warhead. It can carry either high-explosive or nuclear warheads. The missile can destroy supersonic and subsonic targets and will be effective against enemy planes employing air-to-surface missiles. It also can be used against ships and shore bombardment targets.

One guided missile ship currently in commission has Talos missile capability. Under the present shipbuilding programs, the following additional ships will have Talos capability: One nuclear-powered guided missile cruiser and five guided missile cruisers.

Flight testing is being conducted at the White Sands Proving Grounds, N. M., under the direction of the Naval Ordnance Missile Testing Facility, a part of the joint command of WSPG.

TARTAR is a surface-to-air missile designed especially for use aboard destroyers. It is described as a junior version of the original Terrier missile, but has about the same range. A solid propellant rocket, it is being built by Convair Division General Dynamics Corporation, Pomona, Calif., under a Bureau of Ordnance engineering and production contract.

Under the present shipbuilding programs, three guided missile destroyers and 18 guided missile destroyers will have Tartar missile capability.

Adm. John H. Sides, U.S.N., has described the missile as "small enough to go into destroyers and the secondary batteries of large ships, yet have more performance

than the original Terrier (the type presently in Boston and Canberra) . . . it can replace 5-inch mounts."

POLARIS, named after the North Star, is the Navy's name for the project developing a shipboard Intermediate Range Ballistic Missile; this has come to be the name applied to the missile itself. Plans for Polaris were announced in Jan. 1957, and the missile is well along in development. The program is high on the Navy's weapon priority list.

It will be smaller and lighter than other Ballistic Missiles in the nation's arsenal. The missile is designed especially for submarine use and will use a solid propellant fuel. Polaris is the Navy's equivalent to the Jupiter IRBM in the Fleet Ballistic Missile System. The

Marine Corps Now Has Three Missiles On Operational Basis

The Marine Corps now has three missiles on an operational basis, two for air-to-air use and the other as surface-to-air.

The Sparrow I is a 12-foot, 300-pound air-to-air missile for use against attack by jet bombers and fighters. Guidance signals direct the missile's flight via its wings or its path to intercept the target. The guidance system is versatile, permitting effective attacks against both high and low-flying targets.

The Sidewinder is the other air-to-air missile in Marine use. An inexpensive weapon, the Sidewinder is guided by an infra-red or heat-seeking device. The missile seeks its target by homing on its heat emitting from the aircraft. It has only a few moving parts

and no more electronic gear than an ordinary radio, and it requires no specialized technical training to handle and assemble. This missile permits defending fighters to knock down the fastest enemy aircraft even when miles away. Designed to intercept enemy aircraft at longer range and higher

altitudes than conventional anti-aircraft guns, the 15-foot Terrier, a surface-to-air missile, weighs only 1½ tons. It has a range of about 10 miles and is suitable for shipboard use or in beachhead operations. For Marine Corps use, it is fired from a mobile missile launcher.

Song Has Roots In Spain And France

The Marine Corps reached into folklore of Spain and France for its marching song.

The tune of the Marine's Hymn occurs in an old Spanish folk song and in the French comic opera, "Genevieve de Brabant," written by Jacques Offenbach. The Marine song was first sung after the Mexican War in 1847.

Navy's part in the Jupiter program was essentially to develop a shipboard launching system. Its range will be about 1,500 miles.

A converted cargo ship—now the Compass Island—was commissioned in Nov. 1956, to develop the accurate navigational equipment needed for accurate shipboard use of an IRBM. The result is the Navy's Ship Inertial Navigation System (SINS), which can position the firing ship with such accuracy that its missiles can strike target areas at 1,500 mile ranges. SINS determines true north, ship position and speed to supply the data necessary for pinpoint firing.

Five nuclear submarines capable of launching Polaris are presently under construction, and four additional have been authorized. Each of these submarines will carry 10 or more of the missiles.

Sergeant Uses Solid Propellant

In the planning by the Army to succeed the four-year-old Corporal missile is the solid propellant surface-to-surface Sergeant.

The Sergeant is 30 feet long and incorporates many improvements over its predecessor in power, range, and accuracy. It can deliver a nuclear blow deep into enemy lines and is invulnerable to any known enemy countermeasures. It also has greater mobility.

We Salute You on your 7th Anniversary WAFB



We are happy to join all Big Spring in congratulations to the men of Webb Air Force Base. We feel that Webb has been an active and willing partner in the growth and progress of Big Spring during the past 7 years. To the entire personnel and their families, we say thank you.

We here at Zack's would like to express our appreciation for the fine association and friendship we have enjoyed with the people of Webb. The past 7 years have been good and we are looking forward to many years as continued partners with Webb.

Jim and Clara Zack and all employees



204 MAIN



it has been a pleasure serving YOU... Men of Webb and Your Families These past 7 years

We'd Like To Make A BIG WISH That You'll Be With Us For Many Years To Come.

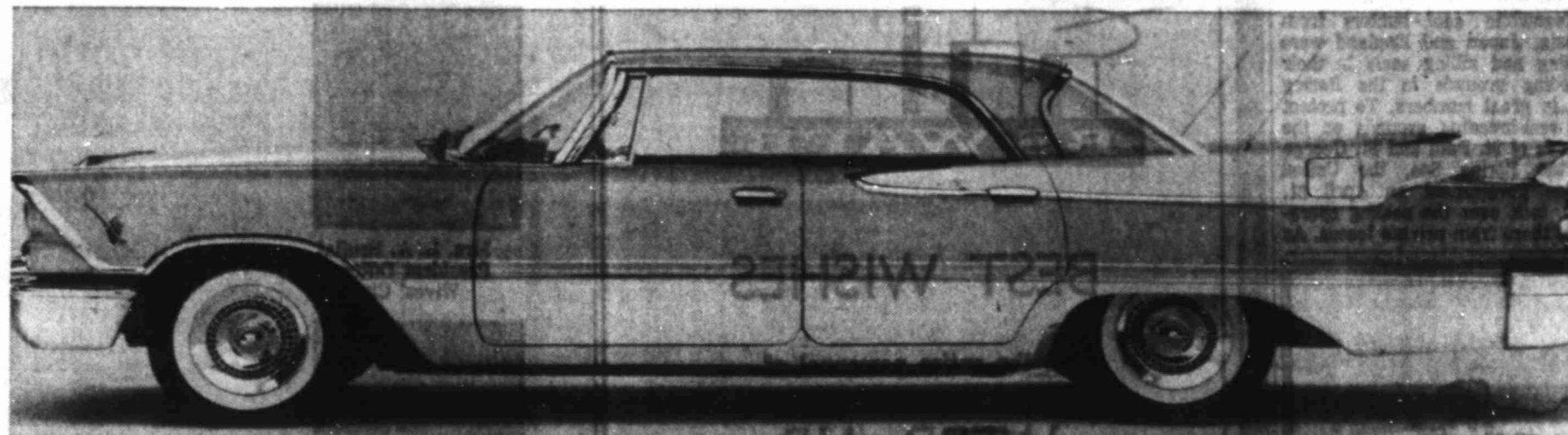
COME SEE US For All Your Youngsters' And Teen-Age Daughters' Needs

The Kid's Shop

(DROOLERS Thru SCHOOLERS)

3rd At Runnels

Dial AM 4-8381



YOUR DODGE DEALER Offers Congratulations To The Men Of **Webb Air Force Base**

On The Occasion Of Their 7th Anniversary **Open House All Day Tomorrow**

DISCOVER AGAIN THE FUN OF DRIVING — TAKE A DEMONSTRATION RIDE IN A 1959 DODGE

JONES MOTOR CO., Inc.

101 GREGG

● DODGE

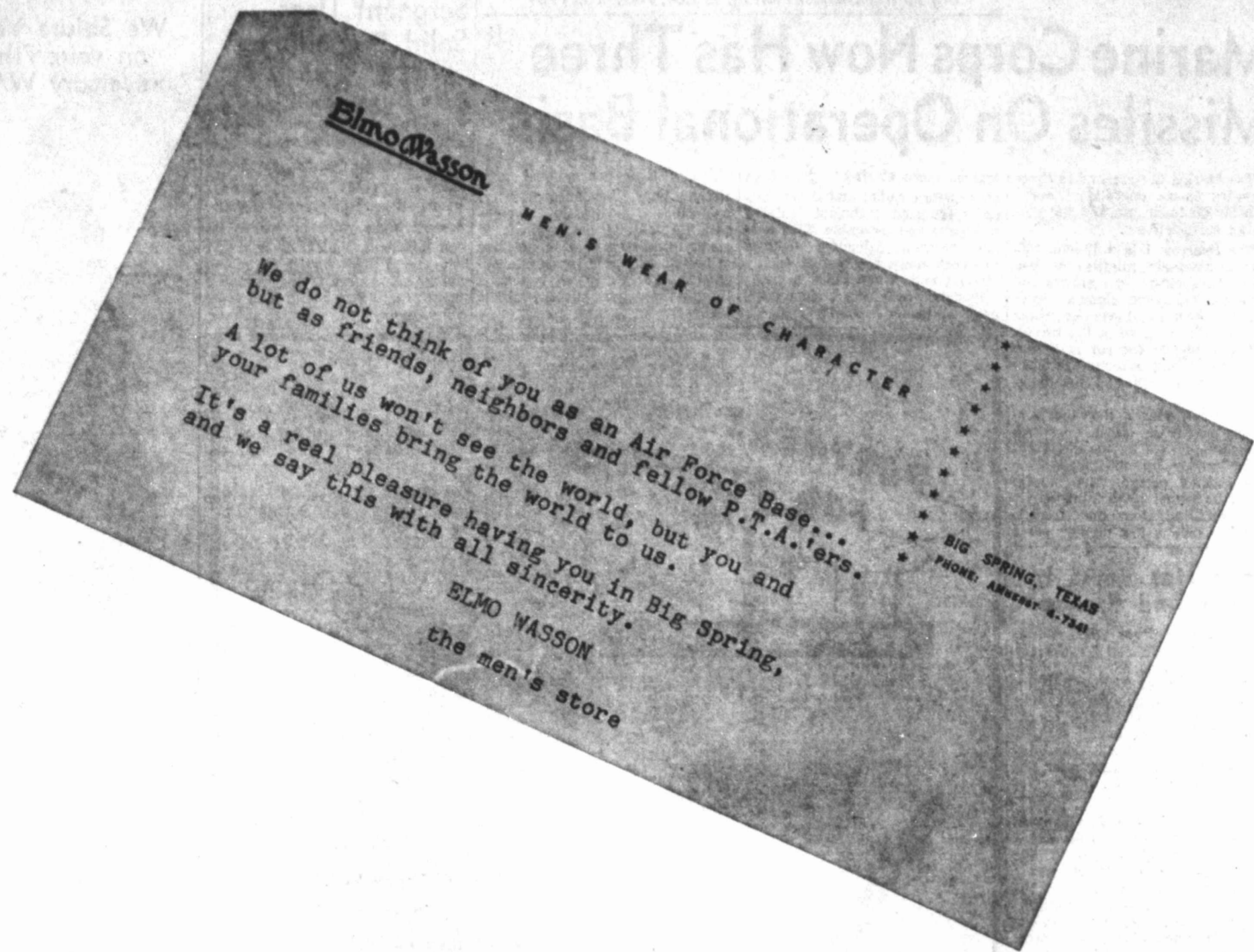
● PLYMOUTH

DIAL AM 4-6351

● SIMCA

To our fellow citizens at Webb, thanks for your services to our nation, and your participation in our community affairs.





SPARS Get Name From Service Motto

The Coast Guard women's auxiliary — SPARS — took its name from the Coast Guard motto "Semper Paratus"—Always Ready. The SPARS came into being in November, 1942, to help the Coast Guard carry out the duties imposed by World War II. It grew to a strength of about 11,000 women.

As the war progressed and manpower shortages increased, SPARS demonstrated their ability to succeed in a wide variety of duties. Among the jobs performed by enlisted personnel were office and clerical work, procurement and issuance of supplies, operation and radio equipment on shore, transportation, administration and supply of pharmaceuticals of different kinds, operation of teletype, switchboards, coding machines and the like, and the handling of various business machines.

Officer personnel assisted in recruitment, supervision of aptitude testing, screening and other personnel activities, developed SPAR training programs, assumed certain finance and supply responsibilities, and also served as legal, welfare, recreation, intelligence, and public information officers. SPAR officer candidates received their indoctrination in a school established at the Coast Guard Academy, New London, Conn. Various types of advanced training were given to women officers, according to their individual abilities and the needs of the Service.

The Women's Reserve released thousands of men for active combat duty.

Marine Pay Rises

How the time changes and with it the monetary situation. During the Revolutionary War, the pay of a Marine was a little over \$7. Today, a Marine Private's pay check is \$78 per month.

the way from Nome to Point Barrow.

In the years before World War II, the patrol usually consisted of eight to 10 cutters operating under a commander, Bering Sea Patrol Force with headquarters at Ula-laska. However, in recent years the number of cutters on patrol has been gradually declining until now one is needed each year.

Coast Guard Quick To Move Into Arctic After U.S. Acquired Alaska

In July, 1867, only four months after the United States had acquired Alaska from the Imperial Russian Government, the Revenue Cutter Lincoln dropped her lines at San Francisco, and shaped a course for Sitka.

That historic voyage began a long and colorful chapter of Coast Guard history—one that is still going on. For since that far-off day, many other Coast Guard cutters have followed in the wake of the Lincoln. They have performed widely varying functions ranging from law enforcement to public health, from guardianship of the huge seal fisheries to geological investigations and the transportation of scientific and administrative personnel of various government agencies.

The acquisition of Alaska by the United States substantially increased the duties of the Coast Guard. Vessels were needed to patrol the thousands of miles of the new territory's sea coast and also to protect the native population from the many adventurers who had come there from all parts of the world. Besides, the United States government was anxious to find out more about this vast land which it had so recently acquired. The United States was also aware of the value of Alaskan furs. For centuries the territory had been hunted by natives for furs of wild animals which they traded to the Russians. In addition to the furs of inland animals there were also sea otter and thousands of fur-bearing seals in waters close to the mainland. Each year the seals migrated through the North Pacific to the Pribiloff Islands in the Bering Sea where they gave birth to their young. Much natural wealth was also to be found in the waters of Alaska which teemed with salmon and halibut, and canneries had been erected in various parts of Alaska.

Hunters and fishermen had already begun to take such numbers of fur-bearing animals and fish out of the territory that something had to be done to regulate the hunting and fishing as well as to help protect the natives and aid them in their fight for survival. All



This is New York's famed Ambrose Lightship with a 250,000 candle-power light that has led scores of ships safely into the harbor. The lightship is operated by the Coast Guard.

Mariners Guide

of these duties were delegated to the United States Coast Guard.

On July 27, 1868, Congress empowered the Secretary of the Treasury to authorize the "killing of any fur-bearing animal, except the fur-seal "under such conditions as he may prescribe." The revenue cutters were dispatched to Alaska with the rights to search and arrest anyone hunting without a license from the United States Treasury Department.

In 1894 and again in 1897 Congress extended the zone within which American cutters were to operate. Additional cutters were sent north in 1895 by the Revenue Marine (forerunner of the U. S. Coast Guard) to form an official Bering Sea Patrol Force.

Meanwhile seal-hunters from Russia, Japan and England were raiding and killing seals in their breeding grounds in the Bering Sea in great numbers. To protect the seal-breeding grounds on the Islands of St. Paul and St. George in the Bering Sea, the United States government on April 21, 1910, took over the sealing operations there from private leases. As

was to be divided among the four signatory nations.

Steps were also taken to protect fishing operations. On March 21, 1899, Congress enacted a law placing the salmon industries under the protection of the Secretary of the Treasury.

Seventeen years later, on June 14, 1906, all fisheries in Alaska were placed under the authority of the Treasury Department. The Coast Guard was authorized to prevent all aliens from fishing in Alaskan waters, thus bringing the whaling industry under the jurisdiction of the Coast Guard.

During the early days of the patrol considerable emphasis was also placed on making soundings, charts, hydrographic observations, and on preparing sailing directions for Alaskan waters. Before the territory could be opened up someone had to chart the way, and the early cutters played an important part in this pioneering effort.

One of the most notable Alaskan cutters was the Bear which served 41 years on the Bering Sea Patrol, "carried Byrd to the Antarctic and was still in action in World War II. Her most celebrated exploit occurred in the winter of 1897 when she volunteered to go to the aid of eight whaling ships frozen in near Point Barrow. After sailing as far as she could, the Bear sent a rescue group mushing nearly 2,000 miles across the

ice, driving a herd of 400 reindeer before them for food. They started their journey on Dec. 17, 1897; they reached the whalers March 29, 1898. For four months they kept order and staved off starvation among 500 natives and more than 270 marooned sailors until the Bear got through in July.

For 50 years the captains of the Bear were the supreme authority in the Arctic Ocean. As United States Commissioners, they were authorized to administer justice in the regions where the Bear put into port. Their authority extended all



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