

AND
M.R.
s Cruces
way con-
e Army.
ners and
not to be
the De-
ce of ad-
not com-
ment of
advertised.

WIND & SAND

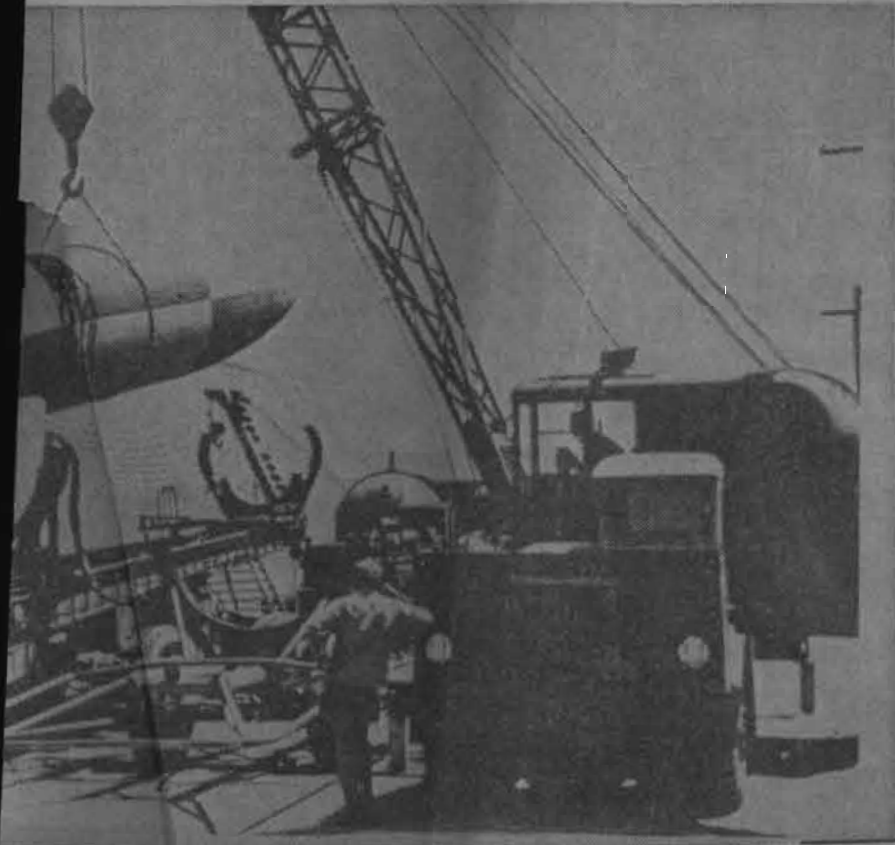
Serving the Nation's Biggest
Overland Missile Testing Center
Published in the interest of military
and civilian personnel of WSMR and
to promote a greater guided missile
program for the national defense.

Publication Office:
114 S. Church, Las Cruces, N. M.

WHITE SANDS MISSILE RANGE, NEW MEXICO, FRIDAY, JANUARY, 4, 1963

8 PAGES

Hot Tests Sear Missile Range In 1962



'58 Record Beaten By 201 Firings

The United States' busiest missile test center was busier than ever in 1962.

The Army, Navy and Air Force users of the national range performed 2,615 "hot" tests, 201 more than 1958's previous record high.

The figure, of which more than half were missiles such as the Army's Nike Zeus, the Navy Talos, or the Air Force Hound Dog, also brought to nearly 20,000 the total of missile and space tests conducted at America's only all-land national range since its establishment in 1945.

Included in the smaller portion of the 2,615 total were operations such as sled-track tests of missile and space vehicle components, balloon flights like the Dept. of Defense Project Banshee series and the recent Air Force Stargazer, and various aircraft experimental flights by the Navy and the Air Force.

The National Aeronautics and Space Administration (NASA) and the Defense Atomic Support Agency have also utilized the range, conducting various short duration test programs. The number of NASA flights is expected to rise significantly in 1963 with static and flight tests.

The California Institute of Technology's Jet Propulsion Laboratory (JPL) manages this interplanetary mission, along with other similar programs for NASA.

Although the full significance of the Venus flight is unknown, NASA's Administrator James E. Webb described it as the "most significant and perhaps the most spectacular of our scientific efforts to date."

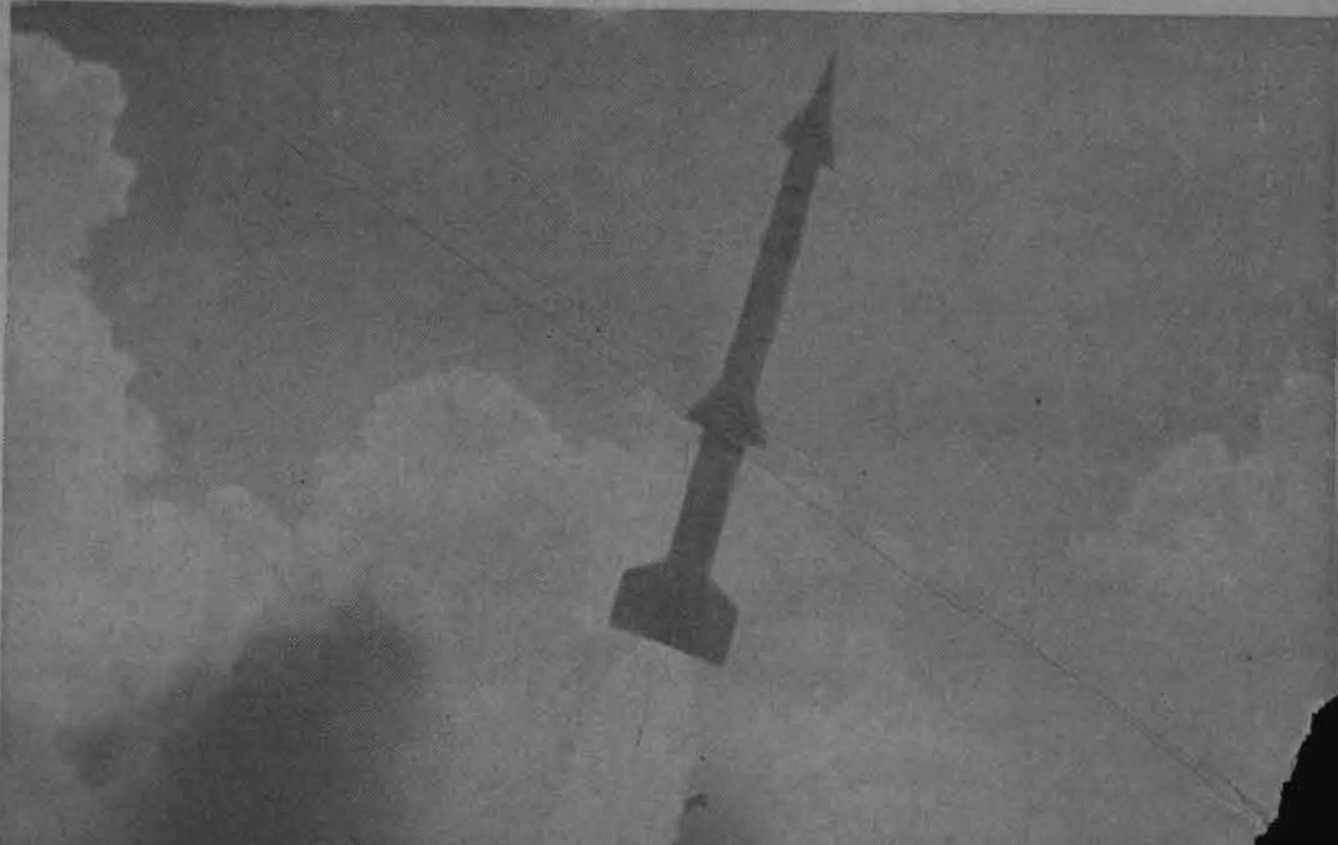
"This was really a trash effort," says V. C. Larsen Jr., JPL's assistant director for business administration. Chief cause of the high-pressure headline was the fixed firing opportunity when Venus and Earth occupy relative positions favorable to the voyage. This 54-day period occurs only once every 19 months.

The pressure was heightened by the failure of Maxiner from the colonial period when each colony legalized its own coins at whatever values it chose. Colonists used coins from many countries including France, Spain, Portugal, Germany, Sweden, the Netherlands and even Arabian coins brought in by giraffes.

In fact, Spanish coin variously called the pillar dollar, milled dollar or "piece of eight" was so familiar to the colonists that Thomas Jefferson recommended the adoption of a corresponding dollar as the basic unit of the new US system.

Jefferson, as President Washington's Secretary of State, and Alexander Hamilton, the first Secretary of the Treasury, were mainly responsible for the Act of Congress, dated April 2, 1792, setting up the first U.S. mint in Philadelphia.

For a number of reasons progress at the new mint was slow — the system was entirely new, incorporating all new units based on the decimal system; and the arts of coinage were still unfamiliar. Pieces of eight continued



EYEBROW ... NOW: NIKE - ZEUS - 1962

New Nike Tests Go Well Here

Atlantic Research Corporation of Alexandria, Va., recently announced a successful rocket vehicle flight test at White Sands Missile Range under its current contract with the Air Force Ballistic Systems Division.

The rocket vehicle was a two-stage Nike Apache which carried a test payload supplied by Avco Corp. This test is the first in a series of sounding rockets to be launched at White Sands Missile Range in the special test vehicle program.

Atlantic Research Corp. has set up a field operations office at Holloman Air Force Base to perform the launch operations. Rocket vehicle design and manufacture is carried out at Arcadia, Calif., under the direction of Thomas J. O'Donnell, project director for ARC.

In the same program Atlantic Research will launch a series of larger four-stage rocket vehicle from an off-range launch site near Green River, Utah, with impact on White Sands Missile Range.

Basic Allowance for Quarters

New rates for officers and warrant officers

Pay grade	Without dependents		With dependents	
	Old	New	Dollar increase	Dollar increase
O-10 General	\$136.80	\$160.20	\$23.40	\$23.40
O-9 Lieutenant general	136.80	160.20	23.40	23.40
O-8 Major general	136.80	160.20	23.40	23.40
O-7 Brigadier general	136.80	160.20	23.40	23.40
O-6 Colonel	119.70	140.10	20.40	20.40
O-5 Lieutenant colonel	102.40	130.20	27.80	27.80
O-4 Major	94.20	126.00	31.80	31.80
O-3 Captain	85.50	115.00	29.50	29.50
O-2 First lieutenant	77.10	105.40	28.30	28.30
O-1 Second lieutenant	68.40	95.40	27.00	27.00
W-4 Chief warrant officer	94.20	120.00	25.80	25.80
W-3 Chief warrant officer	85.50	105.00	19.50	19.50
W-2 Chief warrant officer	77.10	95.10	18.00	18.00
W-1 Warrant officer	68.40	85.20	16.80	16.80

Rates E-4 (over 4 years) through E-9

Pay grade	Without dependents		With dependents	
	Old	New	Dollar increase	Dollar increase
E-9 Sergeant major	\$51.30	\$85.20	\$33.90	\$33.90
E-8 Master sergeant	51.30	85.20	33.90	33.90
E-7 Sergeant, first class	51.30	75.00	23.70	23.70
E-6 Staff sergeant	51.30	70.20	18.90	18.90
E-5 Sergeant	51.30	70.20	18.90	18.90
E-4 Corporal with over 4 years' service	51.30	70.20	18.90	18.90

(Continued on Page 7)

... THEN: V-2 ROCKET - 1946

Patents for Special Camera

to locate the intersection of light rays from any segment of the trajectory in space. As a result, the intersection of rays is through the nodal point of the film plane. As a result, the nodal point is eliminated.

NORAD Uses Mobile Sites For Missiles

COLORADO SPRINGS — (NNS) — A couple of "firsts" were marked in continental aerospace defense when Army anti-aircraft missile and gun units moved swiftly into southern Florida during the Cuban crisis.

Mobile field Army HAWK (Homing All the Way Killer) missiles, Nike Hercules guided missiles and 40 millimeter automatic weapons were moved under U. S. Army Air Force Command control to the NORAD system.

It was the first time mobile units, normally held in reserve for swift deployment overseas with Army field units, were added to the North American Air Defense Command's multi-series (Continued on Page 7)

Mariner II Sends Data From Space

WASHINGTON (APPS)—The voyage of the space-craft Mariner II, now space-age history, has left the world's scientists fidgeting to get at the mass of statistics hummed 70 million miles across space.

The California Institute of Technology's Jet Propulsion Laboratory (JPL) manages this interplanetary mission, along with other similar programs for NASA.

Although the full significance of the Venus flight is unknown, NASA's Administrator James E. Webb described it as the "most significant and perhaps the most spectacular of our scientific efforts to date."

"This was really a trash effort," says V. C. Larsen Jr., JPL's assistant director for business administration.

Chief cause of the high-pressure headline was the fixed firing opportunity when Venus and Earth occupy relative positions favorable to the voyage. This 54-day period occurs only once every 19 months.

The pressure was heightened by the failure of Maxiner from the colonial period when each colony legalized its own coins at whatever values it chose. Colonists used coins from many countries including France, Spain, Portugal, Germany, Sweden, the Netherlands and even Arabian coins brought in by giraffes.

In fact, Spanish coin variously called the pillar dollar, milled dollar or "piece of eight" was so familiar to the colonists that Thomas Jefferson recommended the adoption of a corresponding dollar as the basic unit of the new US system.

Jefferson, as President Washington's Secretary of State, and Alexander Hamilton, the first Secretary of the Treasury, were mainly responsible for the Act of Congress, dated April 2, 1792, setting up the first U.S. mint in Philadelphia.

For a number of reasons progress at the new mint was slow — the system was entirely new, incorporating all new units based on the decimal system; and the arts of coinage were still unfamiliar. Pieces of eight continued

For a number of reasons progress at the new mint was slow — the system was entirely new, incorporating all new units based on the decimal system; and the arts of coinage were still unfamiliar. Pieces of eight continued

WILLIE FUDS' NOT BUILT FOR BOOKS OR SPEED

WESIT, Fla. — (NNS) Willie Fuds," some Navy call them—the big, dusky and tireless WF-2 radar surveillance, aircraft or surveillance duty for the American Air Defense Command off the Florida coast during the aerospace defense build up there.

The ebony-skinned Willie Fuds, its radome protruding forward like a camel's hump, and its bathtub-like belly, hanging below like that of an obese hippo, will win no beauty contests.

But, if functional beauty counts, most NORADians

(Continued on Page 7)



PRIZES CONTEST—Honored by Maj. Gen. J. E. Fu (center) are the winners of the Best Religious award; and CWO Ridenour (right) of the Most Original award.



PRIZE WINNING XMAS DECORATIONS—CWO J. D. Full won the prize for the house decorated "Best Over-all" A "life size" Santa with his helpers greet all passers-by on 102 Lake City Ave. and are the highlight of the winning decorations. The Judging Committee from the Garder Club consisted of Mrs. J. E. Thorlin, Mrs. W. G. Skinner, Mrs. B. O. Mackey, Mrs. W. T. Maple and Mrs. L. D. Twitchell.

WIND & SAND

Policies and statements in the news and editorial columns are not necessarily those of the Department of Army or its agencies. Advertisements in this publication do not constitute an endorsement by the Department of the Army of the products or services advertised.

Published weekly as a civilian enterprise in the interest of the military and civilian personnel of White Sands Missile Range, New Mexico, by the Las Cruces Citizen of Las Cruces, New Mexico.

All news matter for publication should be sent to the public information officer, White Sands Missile Range, New Mexico, telephone 4203 or 5203.

This newspaper receives Armed Forces Press Service material. Armed Forces Press Service material which is not copyrighted or syndicated may be reprinted or reproduced without further permission, provided proper credit is given.

This paper is not an official or semi-official Department of Defense publication.

All pictures are by White Sands Missile Range photographers unless otherwise stated.

Advertising copy should be sent to: Las Cruces Citizen, P.O. Box 470, 444 S. Church Street, Las Cruces, New Mexico, Phone JA 6-5575. Subscriptions: six months \$4.00 per year \$7.50 for three months. Distribution on the Post free.

2 — WIND & SAND — Friday, Jan. 3, 1962

WE'RE A YEAR OLDER — DON'T BROOD ABOUT IT!

No matter when our birthdays fall, the advent of a new year makes all of us feel older—but is it anything to get discouraged about? We Americans have been called a nation that makes a cult of youth, and to some extent the charge is a valid one. We do put the accent on youth, but not necessarily at the expense of our senior citizens, many of whose eminence grows steadily with the years.

Take only one example—a man who has been around the musical world a long, long time. He's the noted maestro Leopold Stokowski whose career has been a series of spectacular triumphs on the conductor's podium. The white-haired Mr. Stokowski admits to being 75, but there are people who'll tell you he could add from five to 10 years to that figure.

Now, conducting a symphony orchestra is a physically demanding business—especially as the athletic Mr. Stokowski goes about it—and you'd think that a man in his mid-seventies would let up a bit and begin to take things easy.

Not this maestro. The man who molded the Philadelphia Orchestra into one of the world's great musical ensembles is still at it. In 1962 he made another major contribution to our cultural life by founding the American Symphony Orchestra which is now performing magnificently under his baton to wildly cheering audiences.

Countless other examples of Americans in their forties and eighties still active and energetic in their life could be cited. Mr. Stokowski—ramrod-like, supple and commanding—is a pertinent one of his new orchestra's splendid debut. He is determined to let one more calendar year get him by (AFPS)

Movie Revues

DATE: Sun. & Mon. 6 & 7 Jan. 63.

TITLE: PANIC IN YEAR ZERO (American International Pictures).

CAST: Ray Milland, Frankie Avalon, Jean Hagen.

Classification: MATURE.

A devoted American family suddenly learns that their way of life has been completely wiped out by a terrifying, mushroom cloud which signals the beginning of a dreaded atomic war.

DATE: Tues. & Jan. 63.

TITLE: POCKETFUL OF MIRACLES (UNITED ARTISTS).

CAST: Glenn Ford, Hope Lange, Bette Davis and Arthur O'Connell.

Classification: FAMILY.

An extroverted Broadway "Character" transforms a derelict apple-seller into an apparent socialite of wealth and position just in time to convince a Spanish Nobleman that his son, engaged to marry "The Grand Dames's" daughter, is wedding into a socially prominent family.

DATE: Wed. & Thurs. 9 & 18 Jan. 63.

TITLE: TARAS BULBA (Color) (United Artists).

CAST: Yul Brynner, Tony Curtis and Christine Kaufman.

Classification: MATURE & YOUNG PEOPLE.

The movie is the theme for the struggle of freedom by Ukrainian Cossacks. Yul Brynner plays the leader, Taras his son Andrei is portrayed by Tony Curtis.

DATE: Fri. & Sat night, 11 & 12 Jan. 63.

TITLE: WALT DISNEY'S MOON PILOT (Buena Vista).

CAST: Tom Tryon, Brian Keith and Edmond O'Brien.

Classification: FAMILY.

Worried senators, desperate generals and frustrated security agents add hilarity to the general uproar when a moon-bound astronaut falls for a heavenly female hitchhiker from outer space.

DATE: Sat. Matinee 12 Jan. 63.

TITLE: THE UNDERWATER CITY (Columbia.)

CAST: William Lundigan and Julia Adams.

Classification: FAMILY.

After constructing the world's first underwater city, a team of crack frogmen discover that a powerful undersea current is cutting away the ocean floor and threatening total destruction.

SUPERVISED BY THE STATE BANK DEPT

DATE: Sun. & Mon. 6 & 7 Jan. 63.

TITLE: PANIC IN YEAR ZERO (American International Pictures).

CAST: Ray Milland, Frankie Avalon, Jean Hagen.

Classification: MATURE.

A devoted American family suddenly learns that their way of life has been completely wiped out by a terrifying, mushroom cloud which signals the beginning of a dreaded atomic war.

DATE: Tues. & Jan. 63.

TITLE: POCKETFUL OF MIRACLES (UNITED ARTISTS).

CAST: Glenn Ford, Hope Lange, Bette Davis and Arthur O'Connell.

Classification: FAMILY.

An extroverted Broadway "Character" transforms a derelict apple-seller into an apparent socialite of wealth and position just in time to convince a Spanish Nobleman that his son, engaged to marry "The Grand Dames's" daughter, is wedding into a socially prominent family.

DATE: Wed. & Thurs. 9 & 18 Jan. 63.

TITLE: TARAS BULBA (Color) (United Artists).

CAST: Yul Brynner, Tony Curtis and Christine Kaufman.

Classification: MATURE & YOUNG PEOPLE.

The movie is the theme for the struggle of freedom by Ukrainian Cossacks. Yul Brynner plays the leader, Taras his son Andrei is portrayed by Tony Curtis.

DATE: Fri. & Sat night, 11 & 12 Jan. 63.

TITLE: WALT DISNEY'S MOON PILOT (Buena Vista).

CAST: Tom Tryon, Brian Keith and Edmond O'Brien.

Classification: FAMILY.

Worried senators, desperate generals and frustrated security agents add hilarity to the general uproar when a moon-bound astronaut falls for a heavenly female hitchhiker from outer space.

DATE: Sat. Matinee 12 Jan. 63.

TITLE: THE UNDERWATER CITY (Columbia.)

CAST: William Lundigan and Julia Adams.

Classification: FAMILY.

After constructing the world's first underwater city, a team of crack frogmen discover that a powerful undersea current is cutting away the ocean floor and threatening total destruction.

SUPERVISED BY THE STATE BANK DEPT

VALLEY LOAN AND FINANCE CO.
INSURANCE

Money to Loan

- Automobiles
- Household Goods
- Real Estate

IT'S EASY TO PAY OUR FINANCE WAY

DIAL 524-1996

Free Parking Water & Griggs

122 W. Griggs Las Cruces



ERDA AWARDS—Col. William G. Skinner, Commanding Officer of the U.S. Army Electronics Research and Development Activities at White Sands, presents Incentive Awards to employees of ERDA. Nora Hayes received both an Outstanding Performance Appraisal and a Sustained Superior Performance Award. Talbot P. Szymblowski, Richard J. Carpenter, and Sterling J. Curry were presented with Sustained Superior Performance Awards, as was Nicholas E. Wilson, a Co-operative student not in photo. (U. S. Army Photo)

Eight Million Dollars Worth of Contracts Signed

Three contracts totaling over \$8 million for collection and reduction of missile flight data as well as instrumentation research and development at White Sands Missile Range were announced by the Army early this week.

Land-Air, Inc., of Chicago was awarded two of the contracts for collection of in-flight data and research and development of data-gathering instrumentation. The third contract — for reduction of missile flight and other test vehicle data — went to Telecomputing Services, Inc., of Panorama City, Calif.

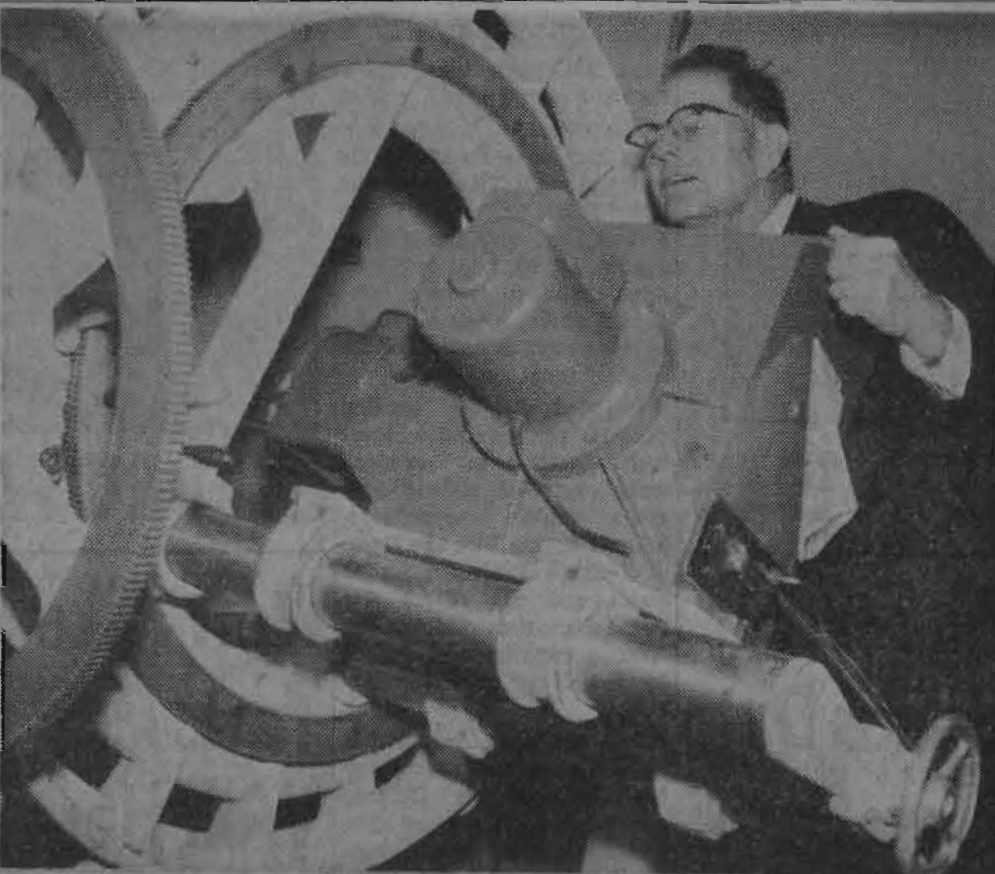
The data gathering contract was the largest, \$4,933,282. Land-Air's other pact was for \$1,169,321. The Telecomputing Services contract was set at \$2,021,823.

All three contracts represent renewals of work done by both contractors at White Sands in the past. Both utilize government-furnished facilities and equipment at Holloman Air Force Base near Alamogordo, N.M. Holloman is adjacent to the range's eastern boundary.

In addition Land-Air staffs a Project Mercury tracking site at Corpus Christi, Tex., in support of National Aeronautics and Space Administration projects under a site manager provided by White Sands.

Collection and reduction of in-flight data at White Sands is accomplished by electronic, photographic and optical techniques in support of Army, Nav and Air Force projects.

Land-Air's R&D contract calls for research and feasibility studies, preparation of equipment designs and specifications, and engineering and technical services in connection with optical and electronic system engineering.



PATENT—Examining his newly patented tri-axial camera mount is inventor Keith J. Humphries. An operations chief with Measurements Division of the Range Operations Directorate, Humphries is the third man to receive a patent at White Sands Missile Range since the patent office was established here in 1955. (U.S. Army photo)

Humphries Awarded A Patent

(Continued from Page 1) White Sands Missile Range in January of 1949 from Alaska where he was with the Federal Aviation Agency. Born in Retrop, Okla., Humphries graduated from New Mexico State University with an engineering degree in 1932.

He joined the Army in 1942 where he served with the Corps of Engineers until 1946.

Humphries and his wife live at 230 West Hadley St., Las Cruces N. M.

He is currently engaged in connection with optical and electronic system engineering.

SOUTHLAND
Custom-built for the South

Fine Quality Bargain Priced

BEN SHOOK — JIM SHOOK — JOHN MILLER

SHOOK TIRE CO.

717 N. MAIN JA. 4-4661

HE'S A LITTLE YOUNG TO READ BUT...

THE WEEKLY NEWS PLAYS AN IMPORTANT PART IN HIS LIFE

Mothers and Fathers who read every week are well-informed on matters that may effect baby's health... through news stories and features covering child finances, education, etc. Read Citizen every week are gen...

Subscribe Today to the

LAS CRUCES CITIZEN
—NEW MEXICO'S LEADING WEEKLY—
114 S. Church St. Phones JA 6-5575

U. S. Forces Were Ready In Cuban Crisis

Actions of the U. S. Military Services during the Cuban crisis have been outlined by the Department of Defense.

Summaries of actions by the U. S. Army follow:

U. S. Army Forces, Atlantic, was created on October 16, 1962, when Department of the Army notified the U. S. Continental Army Commander, Gen. Herbert B. Powell, that he was designated as Army Component Commander to assist CINCLANT in contingency planning. As Commander-in-Chief of U. S. Army Forces, Atlantic (CINCARLANT), General Powell became responsible for all Army Forces under Admiral Robert L. Dennison, Commander-in-Chief, Atlantic.

CINCARLANT's first task was to enlarge plans for Army participation in CINCLANT's operations and to be prepared to implement whatever actions were required. To his headquarters at Fort Monroe, Va., General Powell added 218 officers to assist in the planning task. Men in the USARLANT part of the headquarters worked on a 24-hour basis to accomplish these objectives.

Another concurrent task was to establish USARLANT Forward, co-located with AFLANT Advance Headquarters at Homestead Air Force Base under Maj. Gen. George T. Duncan, USA.

USARLANT Forward represented General Powell on the ground and coordinated all Army activities in the base areas in the southeastern United States. This small staff was to be the nucleus on which CINCARLANT would expand his operating headquarters if operational plans were put into effect.

Lt. Gen. Hamilton M. Howze, Commander of the XVIII Airborne Corps, was the designated Joint Task Force Commander under CINCLANT for control of possible future joint operations. In this capacity he and his staff were involved in

greatly expanded and supervisory Major elements (Strategic Army Corps) withdrawn from and designated to USARLANT Forces. Together more than 100 officers and men. All were put in an alert status during days of the Cuban mid-October. Forward Infantry, Army Airborne divisions, tactical troops.

The 1st Armored began moving from Hood, Tex., to Fort Ga., on Oct. 23. It required 2,000 flat other equipment of 200 passenger cars, some 5,000 troops. Segment of the per the division moved Georgia, while the of the personnel moved the division's equipment.

All units began intensive training to maintain their readiness. Airborne participated in exercises involving basic ground movements and drops while the 1st Division engaged in

the BEST possible HOME LOANS for you — on the BEST possible TERMS!

If you're ready to in and talk with we can help you without "any" obligation.

ASSETS

Mutual Building
126 N. Church