



Anita Cross and her Country and Western band will return to the Club Chaparral August 15 for an evening of fun and dancing. Mike Weinberg, Club Chaparral manager, would like to invite members and their guests to turn out for the band's return.

SHOWBOAT

NEW RATING PROCEDURES

Future ratings for motion pictures shown at the Center Theater will be based on two different types of ratings—the familiar Parents' Magazine ratings, and the new MPA (Motion Picture Association of America) ratings. (The Parents' Magazine ratings will eventually be superseded completely by the MPA ratings.)

The rating designations are:

MPAA*

(G)—General audiences.
(M)—Mature audiences, parents should use discretion.
(R)—Restricted, persons under 16 admitted only with parent or legal guardian.

PARENTS**

(A)—Adult
(Y)—Youths 13-17
(C)—Children 8-12
(M)—Mature for Y & C



BOY AND GIRL OF MONTH—Marty Denkin, left, director of the Youth Center, and Mrs. Carol Hape, right, are shown presenting certificates to David S. Freedman, and Roxane Dalton, on the occasion of the youngsters being named "Boy and Girl of the Month" by the Youth Center. The two youngsters will receive a plaque in addition to the certificate and are now eligible for selection as "Boy and Girl of the Year."

Exec. Officer

(Continued from Page 1)

Monterey, and M.S. degrees in Chemistry (from Lehigh University) and International Affairs (from George Washington University).

Capt. Williamson is married to the former Shirley Allen of San Diego, California. The couple have three children, Robert III, 19; Dana A., 18; and Bruce B., 13, and will reside in Coronado, California.

Wage Survey

(Continued from Page 1)

Corona Labs, now in the San Bernardino/Riverside/Ontario wage area for ungraded pay setting, will commence a full-scale survey in that area on or about September 15.

The Labs will provide two lead data collectors, one each from management and the local union. Roger Paul, Head, Wage & Classification Division, Corona, is the activity representative, and can be reached at Extension 4416. Norton Air Force Base is the most installation in this wage area for the survey.

First Hunters Must Qualify

First-time hunters under the age of 18 who wish to qualify for a California hunting license for the fall hunting seasons are reminded by the Department of Fish and Game that time is growing short.

California requires that persons under 18 must complete a prescribed, state-sponsored hunter safety training course before they can obtain their first hunting license.

The Department of Fish and Game sponsors hunter safety classes which are conducted by certified volunteer instructors. "Every year we have a number of parents and youngsters seeking hunter safety courses at the last minute," said Hilton Bergstrom, DFG hunter safety training officer. Each year many disappointed youngsters have to cancel or postpone planned hunting trips because they put off taking the classes for too long a time, he stated.

Parents of youngsters seeking their initial licenses are advised to contact their nearest hunting license agent for information regarding hunter safety classes in their local areas. DFG regional offices also will assist in locating classes.

FRIDAY AUGUST 15

"SINFUL DAVEY" (95 Min.)
John Hurt, Pamela Franklin
7:30 P.M.

(Comedy/Adventure) Shades of "Tom Jones" cover this tale of a Scottish rogue who follows his father's footsteps as a notorious highwayman who loves 'em and leaves 'em and battles galore. * (M) ** (A, M, Y)

Short: "Blaze Glory" (12 Min.)

SATURDAY AUGUST 16

MATINEE

"WORLD WITHOUT SUN" (91 Min.)
Deep Sea Life
1:00 P.M.

Shorts: "Merry Minstrel Magoo" (7 Min.)
"Trader Tom" (No. 12, 13 Min.)

EVENING

"KILLERS THREE" (88 Min.)
Robert Walker, Diane Varsi, Dick Clark
7:30 P.M.

(Crime/Drama) This Bonnie-and-Clyde type film was produced by Dick Clark. It tells of an attempted hijacking of a bootlegger and inevitable mayhem that follows as the trio flees. Guns and gals. * (M) ** (A, M, Y)

Short: "Road to Adventure" (17 Min.)

SUNDAY-MONDAY AUGUST 17-18

"GOLDFINGER" (108 Min.)
Sean Connery, Honor Blackman
7:30 P.M.

(James Bond Adventure) Agent 007 zips back into action attempting to find out who is depleting the gold bullion reserves. Fabulous gals and gadgets help him out of the tight spots. (Adult)

Short: "Ant and the Aardvark" (7 Min.)

TUESDAY-WEDNESDAY AUGUST 19-20

"SHOES OF THE FISHERMAN" (157 Min.)
Anthony Quinn, David Janssen
7:30 P.M.

(Drama) The spectacular pageantry of the naming of a Pope also reveals the earthy human being of deep understanding and compassion. Quinn gives it his finest performance. * (G) ** (A, Y, MC)

THURSDAY-FRIDAY AUGUST 21-22

"THE DEVIL'S EIGHT" (97 Min.)
Christopher George, Leslie Parrish
7:30 P.M.

(Crime/Drama) Tough, realistic action results from Federal Agent's plan to break up moonshining by hot-car drivers. * (M) ** (Adult)

Short: "We and Wild" (14 Min.)

Maintenance

(Continued from Page 5)

men who maintain it. Most of us think of the "mechanic" as a man in dirty overalls, grease under his fingernails, a wad of tobacco in his cheek, and little formal education.

The "image" of the maintenance man does not apply to the men of NAF. The modern aircraft maintenance man is a specialist. He performs his duty in an environment as antiseptic as a hospital. Generally, he is a graduate of one or more In-Service Maintenance Schools, and the dirty overalls are replaced with clean ones as pride in his work and appearance is generally uppermost in his mind.

A new "image" of the maintenance man is being built out at NAF. That of a highly-efficient, well-trained specialist. A man who takes enormous pride in "keeping the Navy's aircraft in the air."

Liquid Fuels Distribution Systems Operator, WB-69054-10, JD No. 20, Code 2596

—Performs all operations necessary to the operation of a liquid fuels farm, including the record keeping, physical receipt, storage, and issuance of propane, natural gas, aviation gasoline, jet fuels and/or aviation lubricants. Minimum Qualification Requirements: Two years of experience which includes a combination of at least two of the following: 1) Operation of a liquid fuel system or a bulk lubricant dispensing system (Gasoline station attendant experience is qualifying for this position only); 2) Operation or mechanical maintenance and repair of systems of piping, valves, and pressure gages; and 3) Operation of such equipment as evaporators, power pumps, hot water boilers, compressed air systems, chemical or gas plant equipment or similar systems involving use of pressure vessels, valves and gages. Job Relevant Criteria: 1) Must have demonstrated knowledge of safety regulating involved in the handling of explosive and inflammable liquid fuels. 2) Knowledge of proper methods of recording receipts and issues of bulk liquid fuels. Advancement Potential: Foreman (Liquid Fuels Distribution Systems Operator).

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

Clerk-Typist, GS-322-03, PD No. 725008, Code 2522—This position is located in the Purchase Branch, Central Division, Supply Department. It is established to provide secretarial assistance to the Purchase Branch which consists of Branch Head and three purchase agents. The duties include: Typing, distribution, preparation of reports, filing, time cards, telephone and receptionist and messenger. Minimum Qualification Requirements: Six months of appropriate clerical experience.

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File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 28, Ext. 71577.

Clerk (Typing), GS-301-3 or 4, PD No. 817006, Code 173—Incumbent acts as clerk for the General Analysis Staff (Code 1732). Duties include typing of financial and other reports, maintaining branch files, and performing general clerical duties as required. Minimum Qualification Requirements: For GS-3: Completion of high school plus one year general experience; for GS-4: The above plus one year specialized experience. Job Relevant Criteria and/or Selective Placement Criteria: Prefer some experience in the budget or financial area. Advancement Potential: GS-3's may advance to GS-4. Chaplain's Aid, GS-301-5, PD No. 6900007, Code 021—Set up Chapel for various functions, see that Chapel is maintained properly, handle Chapel funds, keep filing system, order supplies and equipment, perform other duties as required. Minimum Qualification Requirements: One year general experience, plus two years specialized experience in clerical or administrative work. Job Relevant Criteria and/or Selective Placement Criteria: Must meet people well, needs considerable physical strength. Hours of duty: Wednesday through Friday 1300 to 1700—1800 to 2200, Saturday 0900 to 1200—1300 to 1800, Sunday 0630 to 1230—1330 to 1530. Advancement Potential: May advance to GS-6 if incumbent performs well.

File applications with Pat Quant, Code 657, Bldg. 34, Rm. 34, Phone 71514.

Laborer, WB 35002-02, JD No. 153-5, Code 8514—Sort and distribute internal Center mail according to established procedures. Minimum Qualification Requirements: J Elements Announcement No. FL

File applications for the above with Carole Cadde, Bldg. 34, Rm. 26, Ext. 71648.

Clerk (Typing), GS-301-3 or 4, PD No. 817006, Code 173—Incumbent acts as clerk for the General Analysis Staff (Code 1732). Duties include typing of financial and other reports, maintaining branch files, and performing general clerical duties as required. Minimum Qualification Requirements: For GS-3: Completion of high school plus one year general experience; for GS-4: The above plus one year specialized experience. Job Relevant Criteria and/or Selective Placement Criteria: Prefer some experience in the budget or financial area. Advancement Potential: GS-3's may advance to GS-4. Chaplain's Aid, GS-301-5, PD No. 6900007, Code 021—Set up Chapel for various functions, see that Chapel is maintained properly, handle Chapel funds, keep filing system, order supplies and equipment, perform other duties as required. Minimum Qualification Requirements: One year general experience, plus two years specialized experience in clerical or administrative work. Job Relevant Criteria and/or Selective Placement Criteria: Must meet people well, needs considerable physical strength. Hours of duty: Wednesday through Friday 1300 to 1700—1800 to 2200, Saturday 0900 to 1200—1300 to 1800, Sunday 0630 to 1230—1330 to 1530. Advancement Potential: May advance to GS-6 if incumbent performs well.

File applications with Sue Prasolowicz, Bldg. 34, Rm. 28, Ext. 71577.

Clerk-Typist, GS-322-3, Code 176—Posting, auditing, and verification of accuracy of accounting documents according to established procedures. Also has requirement for ability to type financial reports. Minimum Qualification Requirements: High school graduation, plus one year general experience. Job Relevant and/or Selective Placement Criteria: Some fiscal experience desired. Advancement Potential: May advance to GS-5.

Travel Clerk, GS-2132-5, PD No. 685009, Code 8517—Procurement and arrangement for travel services for NWC employees from China Lake to various points in the US and overseas. Minimum Qualification Requirements: One year general experience plus 2 years specialized travel experience. Job Relevant Criteria and/or Selective Placement Criteria: Desire knowledge of and experience in government travel procedures including JTR.

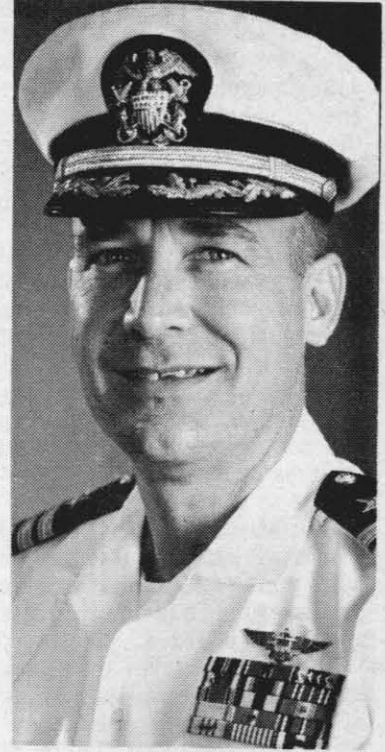
File application for the above with Sue Prasolowicz, Bldg. 34, Rm. 28, Ext. 71577.

Laborer (Heavy), JD No. 155-5, Code 7044—Performs manual labor involving heavy exertion or some skill, training and experience, with an accompaniment of craft terminology and equipment. Such work is incidental to the maintenance of buildings and grounds. Frequently may operate such equipment as power lawn mowers and compressed air construction tools. Minimum Qualifications: Rating will be on the basis of the appropriate J-element standard in accordance with the CSC Handbook X-118C. Applicant must pass the required physical examination. Job Relevant Criteria: Must be familiar with the use of various hand tools and able to perform manual labor in a safe and productive manner. Advancement Potential: Journeyman level.

Cdr. H. Parode Selected As New Captain

Cdr. Harlan D. Parode received notification July 30 that he has been selected for Captain. Parode is currently the Assistant Technical Officer in the Center's Technical Officer's Office.

Born in Los Angeles, California, the new Captain entered the Navy in November, 1943, and received his commission in June, 1950. He has been educated at Gonzaga University, Spokane; University of Washington, Seattle; University of Michigan, Ann Arbor; U. S. Naval Academy, Annapolis; University of Maryland, College



Cdr. H. D. Parode Park; Naval Postgraduate School; and the Naval War College, Newport, R. I., and holds BS degrees in Mechanical and Aeronautical Engineering and in Science, and an MS in Engineering.

Prior to reporting to the Center, Parode completed the Defense Systems Analysis Course at the University of Maryland while attached to the Defense Economics Program, Washington, D. C. Previously he was commanding officer of VA 165, with duty in Viet Nam.

Cdr. Parode, his wife Helen, and Steven, age 5½, Andrea, age 4½ and Kimberly, age 8 months, reside at 519 Ticonderoga on the Center.



9-03. Job Relevant Criteria and/or Selective Placement Criteria: Prefer some mail experience, California driver's license required. Must have Civil Service status.

File for the above with Sue Prasolowicz, Bldg. 34, Rm. 28, Ext. 71577.

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Vol. XXIII, No. 32 Naval Weapons Center, China Lake, California Fri., Aug. 15, 1969

Capt. John Knox McConeghy, Jr. Center's New Executive Officer

Capt. Williamson Takes Command of USS Sperry

Captain John Knox McConeghy, Jr., will relieve Captain Robert Williamson, II, as NWC Executive Officer today, August 15.

The new Executive Officer reported a board the Center from duty as Commanding Officer of the USS L. F. Mason (DD-852).

Capt. Williamson will report to the USS Sperry (AS-12) as Commanding Officer.

Capt. McConeghy is married to the former Jamie Eggert of Dixon, California. They have two children, John Patrick, 15, and Jo Ellen, 13.

Capt. McConeghy graduated from the U. S. Naval Academy at Annapolis in June 1948. Since then he has served mostly in the Submarine Service.

In addition to other campaign and service medals he has earned, Capt. McConeghy has been awarded the Navy Commendation Medal with Metal Pendant for service in Korea, and the Navy Commendation



NEW EXEC SECORATED—Capt. John K. McConeghy, Jr. (r) new NWC Executive Officer, smiles appreciation for having been awarded the Bronze Star for meritorious service while in command of the USS Leonard F. Mason (DD-852). Capt. McConeghy received the medal from Capt. M. R. Etheridge, NWC Commander, in a recent ceremony.

Center Scientists Participate In International Society Meet

Two local scientists from the Naval Weapons Center at China Lake have accepted invitations from the International Metallographic Society to take part in their annual meeting in San Francisco September 8 through 10.

Dr. K. H. Westmacott, Head of Metal Physics, will participate in judging the competitive metallographic exhibit for which a grand prize of \$1000 will be awarded; and C. M. Drew, Chemist in the Research Department and soon to be co-investigator with Dr. Bartholomew Nagy of the University of Arizona in the Lunar Sample Analysis Project, will chair a session concerning scanning electron microscopy and electron microprobe analysis.

Dr. Westmacott has a PhD from the University of Birmingham, England, and is an Associate of the Institute of Metallurgists. He was previously employed by the Atomic Energy Research Establishment at Harwell, England, and at Stanford University before coming to the Naval Weapons Center. He is presently conducting research on crystal imperfections by means of X-ray analysis and transmission electron microscopy.



NEW COMMANDER—Vincent A. Dussault, left, new Commander of American Legion Post 684, Ridgecrest, is shown receiving the gavel of office from Bradley J. Steven, Junior Past Department Commander from Palo Alto, California. Dussault was installed in ceremonies held August 9. Other officers installed were Bob Taft, 1st Vice-Commander, and Ronald Knox, 2nd Vice-Commander. Elsie M. Doud was installed as Adjutant and Finance Officer.

Charles Drew has an MSC from North Texas State University and was previously employed by the Columbia Southern Corporation. A member of the New York Academy of Science, he is a soaring enthusiast in addition to his specialty of scanning electron microscopy.

The meeting will be held at San Francisco's Jack Tar Hotel. Attendees and members of the Society will have the opportunity to hear technical papers in the fields of optical and electron microscopy, ceramography, petrography, X-ray diffraction, electron microprobe analysis, and related sciences.

The daily weather forecast for the NWC range areas and vicinity, prepared by the Atmospheric Studies Branch of Systems Development Department is now available via telephone tape recorder. Numbers to call for the information are 712215, 7122-16 and 712217.

Wage Survey To Be Held In September

A full scale wage survey will be conducted during September 1969 in the Los Angeles, California, wage area. Survey results determine wages for ungraded employees at China Lake. This survey will follow the policies and procedures of the new Coordinated Federal Wage System.

The Department of Defense has been designated lead agency for the survey. The Department will be responsible for conducting the survey, analyzing the wage data, and issuing a new schedule of wages which will apply to all Federal agencies in the wage area which have employees who will come under the Coordinated Federal Wage System.

The Long Beach Naval Shipyard has been designated as host installation for survey activities. The local Area Wage Survey Committee is constituted as follows:

Frank P. Meyers, Long Beach Naval Shipyard, chairman; James T. Houston, Long Beach Naval Shipyard, alternate chairman; Evan W. Gray, Naval Weapons Station, Seal Beach, agency member.

Questions concerning the survey or related matters, can be directed to Bill Blinkhorn, Head, Wage and Classification Division, Personnel Department, at Extension 72296.

(Continued on Page 2)

CHAPLAIN'S MESSAGE

Don't Remove Your Beans, The Lady May Be Wrong

By Senior Chaplain Harold A. MacNeill



The story is told of an English Senior Citizen who was lustily singing in her church, "Whoso prively slander his neighbor; him will I destroy" (Psalm 101:5). Her problem was that she only carried an umbrella to do away with any likely candidates in her immediate environment.

Sometime after World War II, an article appeared in the Manchester Guardian reporting a concert. It read, "Miss Bessie Smith whistled the Fifth Symphony."

A professor from Yale commenting on this item said, "I have no doubt that Bessie was an accomplished whistler. But she did not whistle the Fifth Symphony. No one ever did. It is not a solo but a symphony."

I am all for Bessie. In these days of our wigged-out, turned-off, tuned-out, put-down, whacked-out and zonked generation, I am for anyone who will try and rise above mediocrity.

Not that I am tiger-oriented, living in the Statusphere and looking for thirty two a year, but I would back Bessie even if she wanted to take a crack at whistling the Liszt "Campanella."



RECEIVES MERITORIOUS AWARD—Mrs. Jeanne Robcke (l) comments on a "fun gift" given to surprised Mrs. Mary Willett (r) during the tea held in Mrs. Willett's honor at Capt. and Mrs. Etheridge's quarters. Capt. Etheridge presented the Meritorious Charm and Certificate of Appreciation to Mrs. Willett for her outstanding service to Navy Relief. This is the highest award given by the Navy Relief Society. Mrs. Robcke is Chairman of Volunteer Women and Mrs. Willett is Chairman of Interviewers.

PROMOTIONAL OPPORTUNITIES

Employees are encouraged to apply for the positions listed below. Current applications (SF-171) or Standard Form 58 bringing your work history up-to-date should be forwarded as described below. The fact that positions are advertised here does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employees present and most recent previous supervisor. Selection shall be made without discrimination for any non-merit reason and without favoritism based on personal relationship or patronage.

The vacancies listed below are effective from 15 to 22 August 1969.

Supervisory General Engineer, GS-801-13, PD No. 345097, Code 4533—This position is Head of the Test Management and Product Evolution Branch and manages weapon qualification programs to ensure that guided, free-fall, and ballistic ordnance meets fleet specifications. Minimum Qualifications: Basic requirement is the Bachelor's degree in one of the engineering disciplines or physics or the equivalent plus three years experience in the mechanics of ordnance design, development, test or evaluation. Job Relevant Criteria: Project management experience necessary and will establish highest qualified applicants. Best qualified applicants will have in addition, experience in at least half of the following: a) dynamic vibration testing, b) industrial X-ray inspection, c) thermal and environmental testing, d) non-destructive testing, e) test design and management, f) guided, free-fall and ballistic ordnance safety. Advancement Potential: Position has potential to go to the GS-14 level.

File application for above with Jan Bixler, Personnel Bldg., Rm. 24, Phone 72723.

Electronic Engineer (Gen.), GS-855-11 or 12, Electronic System Design Division, Missile Systems Department, Naval Weapons Center Corona Laboratories, Corona, California 91720. The incumbent will be responsible for the design and development of (1) solid state electronic circuits, (2) devices and systems involving electromechanical hydraulic or pneumatic actuators for driving missile control surfaces and (3) stabilization systems for radar antennas or optical devices for guidance or guidance simulation purposes. This design and development work frequently involves gyroscopes, feedback amplifiers, special filters, signal pick-off and mixing circuits, magnetic amplifiers, and clutches, control relays, special purpose computer circuits and similar circuits and devices. Using such elements the incumbent designs and develops new control mechanisms or modifies existing systems to perform specific tasks. Minimum Qualification Requirements: Applicants must meet the requirements of Civil Service Handbook X-118 for GS-855, for the grade for which applying, as modified by General Amendment, Page 10.03. These are a Bachelor's Degree in Engineering, or its equivalent, plus three years of progressively responsible professional engineering experience, one year of which must have been at, or equivalent to, the next to lower level in the Federal Service in duties closely related to those of this position.

File SF-171 with Marie Coleman, Code 658, Ext. 4415, prior to the closing date.

Electronic Engineer, GS-855-13, Code 5012, Systems Techniques Branch, Advanced Systems Division, Fuze Department, Naval Weapons Center, Corona Laboratories, Corona, California. The purpose of the position is to conduct exploratory development of advanced proximity fuze concepts and to evolve improved methods for deriving optimum fuze system operating parameters. Minimum Qualification Requirements: Applicants must meet the requirements of Civil Service Handbook X-118 for GS-855 for the grade for which applying, as modified by General Amendment, Page 10.03. The minimum educational requirement is the Bachelor's Degree in Electrical Engineering or equivalent, augmented by some post-graduate work in engineering and experience in the development of advanced weapon and missile fuze systems that operate in the radio and microwave frequency spectrum. The position requires expert and established technical expertise in microwave systems design and development and in data processing instrumentation.

Any employee interested in applying for this vacancy must contact Marie Coleman, Code 658, Ext. 4415 or 4410, prior to the closing date.

Occupational Health Nurse, GS-610-7, Medical Department (Code 89), Naval Weapons Center Corona Laboratories, Corona California 91720. The position is that of sole nurse in the Medical Department. It is the incumbent's prime responsibility to assist the Medical Officer who is a local physician employed on part time and on-call basis. During the absence of the Medical Officer, the incumbent operates the dispensary and clinic providing such medical services for which qualified. Assists the physician in preparing patients for examination and in performing medical treatments. Maintains the confidential medical history files of persons treated by the

'DESERT PHILOSOPHER'

Spanish Land Survey

By "POP" LOFINCK



From time to time we hear about some project running out of funds and having to await more appropriation before the project can be completed.

That's nothing new—that's how I came to California. I was sent by the Department of Interior from Washington, D.C., to Imperial Valley in 1912 to join an exploration party to locate a very old Spanish Survey.

Many people had filed farming claims in that area, but there was nothing accurate to tie the claims into.

If there is a record of an existing land survey, a new survey must start from that.

Long distances on old surveys were measured by attaching an iron lug to a wheel of a buckboard. At every bump a man made a mark in his little book. The driver also made a mark in his book.

If the surveyors made a mistake in counting the lug bumps—then the survey was inaccurate.

When enough marks were made to make a mile, they would stop and put a post in the ground.

Even in those days land surveys had a standard procedure—to wit—a four-by-four redwood post buried two feet in the ground and a foot above ground with the location inscribed on the upper foot above ground.

A foot below the bottom of the post was a flat stone with the location inscribed on it. A hammer and small chisel was used to make the inscription on the flat side of the stone, and it was turned upside down—so if a later surveyor came to where the post was or should be, the flat stone should be there—a foot below the post.

This was to fool the people who tried to destroy the survey—they didn't know to look a foot below the post, or to look at the other side of the flat stone.

Of this ancient Spanish Survey we were exploring, some miles were actually one and one-fourth miles and some were three-fourths of a mile—so we had to make a new survey from the North Star—like is used to locate sunken ships in the ocean.

Each evening we drove two stakes in the ground—exactly 100 feet apart, with a pin in each post. At exactly 11 p.m. the pins were adjusted by the transit focused on the North Star. At exactly 12 p.m. a double check was made for accuracy.

If we were near a town, we could communicate with the Interior Department by telegram. In the afternoon we would go into town and send a telegram report and get our instructions. That was wonderful—we could send a telegram to the Department of the Interior and get our answer back within an hour—our telegrams had priority.

At night we had to burn all the Spanish Survey posts we had found during the day. I wanted to keep the few posts we found for souvenirs, but word came from the Department of the Interior to obliterate them—so we had to burn them each night to dispose of the evidence of the earlier survey because they were so inaccurate.

The Chief of our party—W.J. Lightfoot, by name—was not an Indian—but that was his name.

He had been with the Department of Interior ever since he got out of college. Very conscientious, so we had to burn every one of the Spanish Survey posts—and no argument!

We thought he was amazing. At a time when \$50.00 was a high-priced watch, he carried a \$100.00 Howard watch in a plain steel case. That shows what a stickler he was for accuracy.

As far as we went, that Imperial Valley land survey may be the most accurate in the United States.

Then the appropriation ran out and we couldn't finish it.

Medical Department and compiles information for reply to inquiries or reports. The incumbent orders, stores, and maintains proper security over drugs and medicines, medical equipment, periodicals, etc. Minimum Qualification Requirements: Applicants must meet the requirements of Civil Service Handbook X-118 for GS-610-7 for the grade for which applying, as modified by General Amendment, Page 10.03. The minimum educational requirement is the Bachelor's Degree in Electrical Engineering or equivalent, augmented by some post-graduate work in engineering and experience in the development of advanced weapon and missile fuze systems that operate in the radio and microwave frequency spectrum. The position requires expert and established technical expertise in microwave systems design and development and in data processing instrumentation. Any employee interested in applying for this vacancy must contact Marie Coleman, Code 658, Ext. 4415 or 4410, prior to the closing date. Occupational Health Nurse, GS-610-7, Medical Department (Code 89), Naval Weapons Center Corona Laboratories, Corona California 91720. The position is that of sole nurse in the Medical Department. It is the incumbent's prime responsibility to assist the Medical Officer who is a local physician employed on part time and on-call basis. During the absence of the Medical Officer, the incumbent operates the dispensary and clinic providing such medical services for which qualified. Assists the physician in preparing patients for examination and in performing medical treatments. Maintains the confidential medical history files of persons treated by the

(Continued on Page 8)

Kern High School District Adopts New Pupils' Dress and Grooming Code

According to the Kern High School District, parents of Burroughs High School pupils will soon be advised of the new, revised, dress and grooming code.

The new code was adopted at the August 7 meeting of the district's board of trustees. The code spells out acceptable modes of dress and standards of grooming for Burroughs High School pupils.

Among other items, the code controls the length of girls' skirts and boys' hair, and states that pupils are expected to be neat and clean upon entering school.

The district notes that the public schools are supported by the citizens in order to provide educational opportunities for young people, and that experienced school officials affirm the fact that student appearance and conduct seriously affect the learning atmosphere of the schools.

It was also pointed out that courts have ruled that school personnel stand in for parents during school hours, and pupils are expected to meet standards of decency, morality, and appearance normally accepted in the community. The board of trustees directs the school personnel to enforce this code.

One of the objectives of school, Trustees noted, is to help young men and women prepare for life in the business and social worlds.

The trustees went on to say that although it wishes nothing to interfere with the educational process at Burroughs, it appears that there is a definite connection between personal appearance, dress and behavior.

It was noted that a usual dress or grooming can cause teasing, laughter, fighting and other disruptions of the educational process. Health and safety are also considered a factor in determining a dress and grooming code.

The new code is based on a compilation of recommendations of parents, staff members, and the pupils themselves, as well as on decisions recently

handed down in the courts.

Girls' Standards

For the girls, the following standards were approved: Simple dresses; culottes, pants, dresses, skirts with blouse or sweaters. Minimum length for skirts is mid-thigh. Footwear must be worn at all times, and must not be removed before leaving Burroughs' campus.

Unacceptable dress for girls includes dress slacks, levis, shorts, bermudas, ball bottoms, see-through clothing, baremidriffs (front or back), garments that are exceptionally tight fitting and or revealing.

Backs of dresses may be no lower than mid-back. Appropriate clothing must not reveal undergarments or tops of full-length hosiery at any time. Footwear designed for the beach or shower will not be permitted. In addition, curlers and beach hats will not be acceptable.

For boys, proper dress would include properly fitted suits, sports jackets, sweaters, shirts, standard pants or slacks worn waist high. Footwear restrictions are the same as for the girls.

Boys' Haircuts

Haircuts for boys may be no longer than the top of the collar of a shirt with a collar and may not cover any portion of the ears or be below the eyebrows.

Naturals are not to protrude more than three inches on top or two inches on the sides, and sideburns may not be worn any longer than the bottom of the ear lobe and must be neatly trimmed.

Beards and goatees are out, however moustaches may be worn if neatly trimmed and restricted to the upper lip. Moustaches must be no wider than the corners of the mouth.

Mohawks and shaved heads are prohibited, as are beach hats.

Parents who have questions regarding the dress and grooming code are requested to contact the Burroughs High School office.

Premier League Begins September 8 With Peterson Points Scoring System

Maury Coleman, secretary of the Wednesday Night Handicap League, reports that the Elks team is still on top of the league after 56 games, with a record of 40½ wins and 15½ losses. The COM keglers are second, three games behind the Elks.

The AMF squad hit high team game for the night of August 6, topping 896 pins. The Coors Beer team had high team series, a 2528 effort. Sam Schoenhals hit a 581 series, and Bob Tegowski shot 214 to lead all individual scoring for the night.

In a rare occurrence, John Ito, who rolls for COM, hit a ladder. This consists of three games which escalate one pin each game. John's trio were games of 187-188-189.

Winter Leagues

Winter leagues are now forming, according to Fred Dalpiaz, manager of the China a Lake Bowl, and interested keglers are invited to contact Dalpiaz for further information.

The Monday night Premier

Scratch League will begin action on September 8, sporting a new system of scoring. This year the league has adopted the Peterson Point system, awarding 1 point to each man each game who defeats his opposite opponent in the line up. A team wins 1 point for each team game won, and the team with the most pinfall for three games is awarded 2 points. The maximum number of points that any team can garner is 20 points.

This method of scoring ensures that a team will not fall apart due to an opposing team member shooting a big game. All the big game will win is one point.

TEMPERATURES

Table with 3 columns: Date, Max., Min. Rows: Aug. 8 (107, 72), Aug. 9 (107, 81), Aug. 10 (104, 80), Aug. 11 (104, 79), Aug. 12 (104, 74), Aug. 13 (105, 72), Aug. 14 (105, 72)



ANNUAL FIELD TRIP—August 24 is the date set for the Maturango Museum's annual field trip to the Bristlecone Pines area. Above, members of a previous field trip join hands to encircle the "Patriarch," which is the world's largest Bristlecone. Members and their guests who wish to visit the statue this year should assemble at the Bristlecone Pines sign just north of Big Pine at 9:30 a.m. on August 24.

Bob Glen Returns to NWC After Year Of Graduate Work at Cornell Univ.



LT. RICHARD D. BRANE arrived recently from the USS Dahlgren, where he was the Fire Control Officer. As a member of the Technical Officer's Staff at NWC, he is the military liaison representative assigned to the Program Management and Integration Group of the Propulsion Development Department. He has a B.S. in chemistry from Duquesne University, Pittsburgh, Penn., and a M.S. in chemistry from the Naval Post Graduate School, Monterey. Lt. Brane, his wife, Carol, and daughters, Patti Anne, Donna Anne and Cheri Anne live at 38-A Ashworth Place, China Lake.

A woman called the state patrol office in Jonesville, Michigan, and asked about road conditions. She was told that the roads were slippery but passable. She is said to have replied: "Oh, I don't want to pass anyone. I just want to follow."

Bob Glen has recently returned to the Naval Weapons Center after a year of graduate work at Cornell University, Ithaca, New York. He studied at Cornell under a fellowship granted by the National Institute of Public Affairs. Bob is a Management Analyst on the Management Planning and Communications Staff in Central Staff.

Annually, the National Institute of Public Affairs, together with the U. S. Civil Service Commission, awards fellowships to "mid-career executives" from Federal, state, and local governments. The program provides for fellowships at several different major universities throughout the country.

Fellowships are awarded to young men and women in the public service who have shown "distinguished professional ability in their chosen field, dedication to the public service, and in the judgment of their supervisors, great promise as future top executives." Bob was one of three young men chosen from Navy for the 1968-69 school year.

Nine NIPA fellows attended Cornell along with Bob Glen. All but two of the ten were Federal civil servants representing DOD, HUD, Labor, Commerce and Justice. Two of the fellows were from state governments.

NIPA fellows are given a wide choice of study programs suited to their individual needs and interests. Bob chose to focus primarily on management science courses to further develop analytical skills in such fields as managerial economics, quantitative methods, opera-



Bob Glen

The Rocketeer

Official Weekly Publication U. S. Naval Weapons Center China Lake, California

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DIVINE SERVICES

Protestant (All-Faith Chapel)—Morning Worship—8:15 and 11 a.m. Sunday School—9:30 a.m., Chapel Annexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) located opposite Center Restaurant.

Roman Catholic (All-Faith Chapel)—Holy Mass—7, 9:30 a.m., and 12:30 p.m. Sunday.

Daily Mass—11:30 a.m. in Blessed Sacrament Chapel. Saturday, 8:30 a.m. Confessions—7 to 8 p.m. Saturday.

NWC Jewish Services (East Wing All-Faith Chapel)—8 p.m. every first and third Friday.

Sabbath School—10 a.m. to noon, every first and third Saturday.

Unitarian Fellowship—(Chapel Annex 95, 95 King Ave.)—Sundays, 7:30 p.m.

ROCKETEER SPORTS

Fishing Can Be Dangerous Sport Warns DFG Official

The millions of Americans whose favorite sport is fishing were cautioned by the American Red Cross to avoid the hazards that may result in tragic accidents.

"Fishing takes place in an environment where accidents can and do happen," said Robert M. Oswald, national director of Red Cross Safety Programs. "Our aim is to reduce such accidents as much as possible by pointing out the dangers, and encouraging fishermen to equip themselves with first aid and water safety training."

A special danger to early-season anglers is that of prolonged immersion in cold water. Fishermen who fall into extremely cold water will lose body heat rapidly, thus reducing their ability to move through the water and save themselves.

"We advise victims of such accidents to get out of the water as soon as possible," Mr. Oswald said, "although in more favorable water conditions, our advice is to stay with the boat."

He listed these further suggestions for fishermen's safety:

- 1—All fishermen should learn how to swim, know basic first aid, and carry a first aid kit on their fishing trips.
- 2—They should listen for weather forecasts and not go out when threatening weather is forecast.
- 3—Since fishhooks sometimes catch anglers as well as fish, the former should carry needle-nose pliers, wire cutters, and a pocket knife in tackle

C. L. Golf Club Announces Meet

The China Lake Golf Club announced recently that the 1969 Club Championship tourney will be held September 6, 7, 13 and 14. Entry fee for the once-a-year tournament will be \$4 per person.

Trophies will be awarded to the winner, runner-up and consolation winner of each flight. The format for this year's contest is as follows:

All play will be individual match play, with sudden death playoffs of matches ending in a tie after regulation 18 holes; all tournament play within flights will be scratch, the September handicap to determine which flight a golfer competes in.

Any member of the China Lake Golf Club will be allowed to compete in the Championship flight if he so desires.

Golfers wishing to register for the tournament may now do so at the Golf Shop.

Intramural League

Bill Tenan has announced that the Intramural Golf League finished the season August 12 with the teams from NAF and Code 45 No. 2 deadlocked at 28½ points apiece. The tie will be played off Tuesday, August 19.

boxes. Always keep hooks in covered containers.

4—Anglers, when casting, should make certain there is room to do so without hooking someone else. Always look before casting, and use an overhead cast when in a boat with others.

5—When going on a fishing trip alone, leave word where you will be and when you plan to return. However, it's much more safe to fish with a companion.

6—Do not fish in waters where there are swimmers, water skiers, skin and scuba divers.

7—Along the shore, wade cautiously to avoid slipping on unseen rocks or stepping suddenly into deep water.

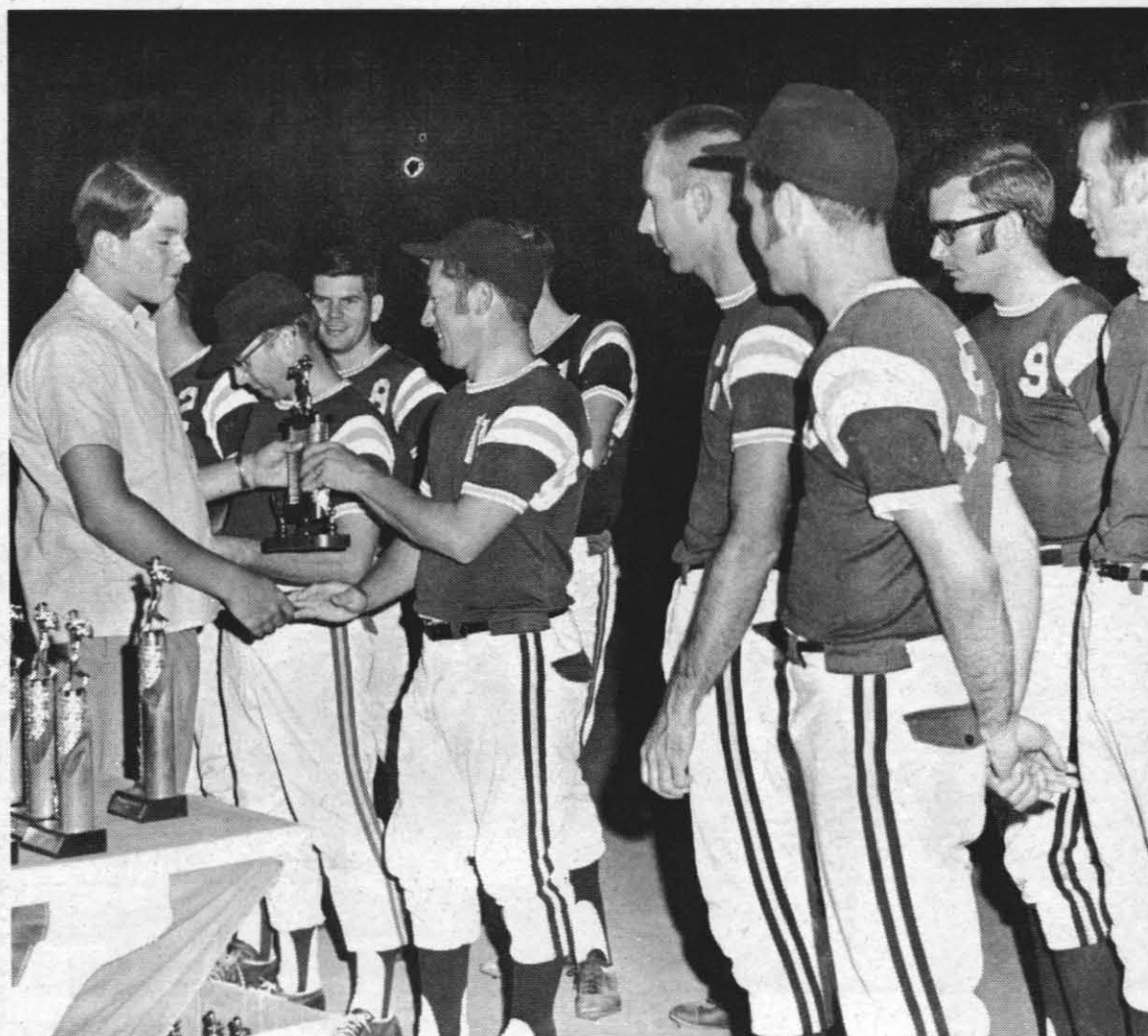
8—Learn how to hold a fish properly while extracting a hook. Many species of fish have sharp teeth or fins that can cause painful hand wounds.

9—If you snag yourself deeply with a hook, cut off the line, bandage the wound, and head for the nearest doctor or hospital. Don't risk further injury while trying to remove a deeply imbedded hook.

10—In snake-infested country, watch where you step and sit, and what you touch. Wear high boots, because half of all snake bites are below the mid-calf.

11—When fishing in channels or rivers, never tie your boat to channel buoys. It is illegal. These are traffic markers and must always be kept clear.

12—Never stand up in a boat while fishing, and always have a life preserver for every passenger.



SOFTBALL CHAMPS—Members of Ace-TV, winners of the China Lake Intramural Softball League, are shown as they were awarded trophies by James Poore, Jr., son of the team's sponsor, James Poore, owner of Ace-TV. The champs defeated NAF Tuesday night to clinch the title, finishing ahead of a fast-charging El Ranchito squad.

Billy Brown Baffles Big Bats

Ace-TV remained on top of the heap, two games ahead of the high-flying El Ranchito team in action that saw 154 runs scored in seven games last week in the China Lake Intramural Softball League.

Bill Brown, star hurler for the El Ranchitos, pitched a no-hitter, and lowly Genge whopped Ridgecrest Shell, 24-7, in two of the games played last week. In the early game on Monday, August 4, Ace-TV beat NAF 12-1 behind the 5-hit pitching of Bert Galloway. Jim Bevan hit his fifth homerun for the winners.

In the nightcap Ridgecrest Shell, without the aid of their starting pitcher Bert Andreassen, who pulled a hamstring muscle in his leg two weeks

ago, were shelled by last-place Genge. The big bats of Ridgecrest Shell were strangely quiet as Tony Scanlon stayed out of trouble most of the time. Don Sichey hit a grand slam homer and had 7 RBI's for the night. Scanlon had 3 hits and 6 RBI's to help his own cause.

On Tuesday, Ace-TV continued to dominate the league by whipping VX-5 13-2. This time Galloway pitched a 3-hitter. Dick Braun hit a home run, and Skip Benton and Braun each had triples for the losers.

The late game on Tuesday saw El Ranchito outwit Magic Cleaners to win 14-7 as El Ranchito continued its charge toward first place. Ron Brennecke hit a no other towering homerun over deep center and

into the building behind the ball diamond. The three-run shot was his fifth.

On Wednesday night, in the early game, Genge and NAF fought to a 14-14 deadlock in a game called because of its length. Duane Blue hit a 3-run homer for his first of the year. Dink Patterson went four for five including a two-run homer, his fourth.

Hapless Ridgecrest Shell, their big bats booming this time, still went down to defeat in the late game Wednesday, as Magic Cleaners out-hit them, and out-scored them, 21-17. Thad Brightwell, who normally sits on the bench for Magic Cleaners due to an injury, couldn't be kept off the base paths as he was hit by a pitch, walked twice, hit a single, and smacked a two-run, inside-the-park homer.

Al Hyles hit his 10th for the losers, including his 29th RBI. Andy Gilpin walloped his 9th homer of the season, and Henry Cotes hit his first.

Bill Brown, ace pitcher for El Ranchito, threw a no-hitter against VX-5 in the only game played Thursday. El Ranchito won it 8-0, despite some sparkling plays by Dick Braun, hard-throwing shortstop for VX-5.

STANDINGS

Team	Pct.	W-L-T	GBL
Ace-TV	.853	20-4	—
El Ranchito	.776	17-5	2
Ridgecrest Shell	.619	13-8	5½
Magic Cleaners	.555	12-10	7
NAF	.263	5-14-1	12½
VX-5	.174	4-19	15½
Genge	.157	3-16-1	14½

TOP TEN (Min. 46 At Bats)			
Name—Team	AB	RBI	HR
Clegh, Dick, EIR	55	26	13
Carson, Frank, A-TV	47	20	9
Bevan, Jim, A-TV	56	22	11
Patterson, Dink, Genge	57	22	13
Williams, Don, MC	59	22	11
Braun, Dick, VX-5	55	20	11
Crawford, Bob, A-TV	71	26	7
Crazer, Dan, A-TV	70	25	3
Martin, Bill, R.Shell	56	20	8
Hyles, Al, R.Shell	78	27	10
HR Leader—Hyles, R. Shell, 10; Andy Gilpin, R. Shell, 9.			
RBI—Hyles, R. Shell, 29; Ron Brennecke, El Ranchito, 21.			

UNDEFEATED SEASON—Members of the "Pink Panthers," winners of the NWC Youth Center-sponsored Girls' 8-12 Softball League, pose for this team picture following an undefeated season which saw them win 5 straight games. The team members are, front row, left to right, Sandy Shreve, Vicki Rehn, Linda Shreve, Cindy Smith, Jerri Jeffries, Laurie Mahan, Laurie Noland, Tanya Smith, Linda Pipkin, Julie Battaglia, and Laurie Adicoff. In back are Dr. Arnold Adicoff, and Robert Battaglia, team coaches.

Airtevon Five Assigned A-7E Aircraft Evaluation

Tests Accuracy, Develops Tactics

VX-5 recently received a copy of the brand new A-7E aircraft, according to a squadron spokesman. The new airplane arrived on the Center the second of August.

The squadron has been charged with the responsibility of testing and evaluating the new airplane in an operational environment and devising the most effective tactics for all its new systems. VX-5 had originally been scheduled to receive two of the new airplanes, but technical problems are holding up delivery of the second aircraft.

The A-7E is a single-piloted, light attack, carrier airplane designed for delivery of conventional or nuclear weapons. The airplane is powered by a TF-30-P8 or TF-41-A2 turbo-fan-jet engine. The aircraft is similar in appearance to the A-7A/B, but incorporates many major advances in weapon delivery system technology.

Specifically, a digital computer integrates inputs from ranging radar, doppler radar, an inertial measuring unit, and airspeed and altitude sensors to provide a high degree of weapons delivery accuracy.

Navigation and attack information is displayed in a combiner glass that is located in the pilot's field of view. This head-up display enables the pilot to concentrate his attention outside of the cockpit, and yet simultaneously read the information normally presented by cockpit instruments.

In addition, an improved radar, a projected map display and many velocity sensors are monitored by the digital computer providing the pilot and electronic navigator great assistance in the demanding tasks of high-speed low-level navigation.

The airplane retains the versatility of the combat proven A-7A/B. Its armament includes a capability to carry over 14,000 pounds of bombs, rockets and other releasable stores. In addition, it also carries an M-61 rapid fire gatling-type gun which fires 20mm ammunition.

The aircraft also incorporates a strike camera in the tail section, to assess the devastation accomplished by this imposing load of ordnance.

To make the pilot as effective as possible, the cockpit contains the latest concepts in human engineering.

Just how effective will be the objective of extensive flight testing by VX-5. In addition to evaluating the accuracy potential of the A-7E weapons system, the combat experienced project pilots of VX-5 will also develop tactics for employment of the aircraft. LCDr. Zip Zirbel will be in charge of the project.

Youth Dance

The China Lake Youth Activities Center will sponsor a dance from 8 p.m. to midnight Saturday, August 16 at the Community Center for Junior High, High School and college students.

Music will be provided by "The Closer This," an outstanding group of musicians from Bangkok, Thailand.



LCDR. ELTON C. PARKER, JR., is the new Assistant Project Director at VX-5. He arrived recently from NAS, Alameda where he was Operations Officer of Attack Squadron VA-152, deployed aboard the USS Forrestal. Pensacola, Florida is hometown for the native of Louisville, Kentucky. He attended the U. S. Naval Academy and the Post Graduate School at Monterey, Calif., and has a B.S. in aeronautical engineering. LCDr. Parker and his wife, Susan, reside at 544 Trisha Court, Ridgecrest.

Players Cast 'Yum Yum Tree'

Gerry Baker, who will direct "Under the Yum Yum Tree" for the China Lake Players to be performed September 19-20-26-27 at the Murray School Auditorium, has announced selection of the cast.

The female lead, Robin Austin, will be played by Flo Gerish, and the role of her boyfriend will be enacted by Frank Pickett.

G. Robert Pinney has been selected to portray Hogan, the lecherous landlord bachelor in the plot. The role of Irene Wilson has been assigned to Joan Leipnik.

Playwright Contest Ken Austerman, of the Players, has announced a play-writing competition open to all residents of the Indian Wells Valley.

The Players are looking for an original one-act play to perform at the Kern County One-Act Drama Festival, to be held in Bakersfield in May, 1970. All plays must be submitted no later than Feb. 1, 1970.

Requirements are that the play must be between 25 and 45 minutes in length. It may be unlimited in style and subject, however all manuscripts must be complete as to cast requirements, staging and technical direction.

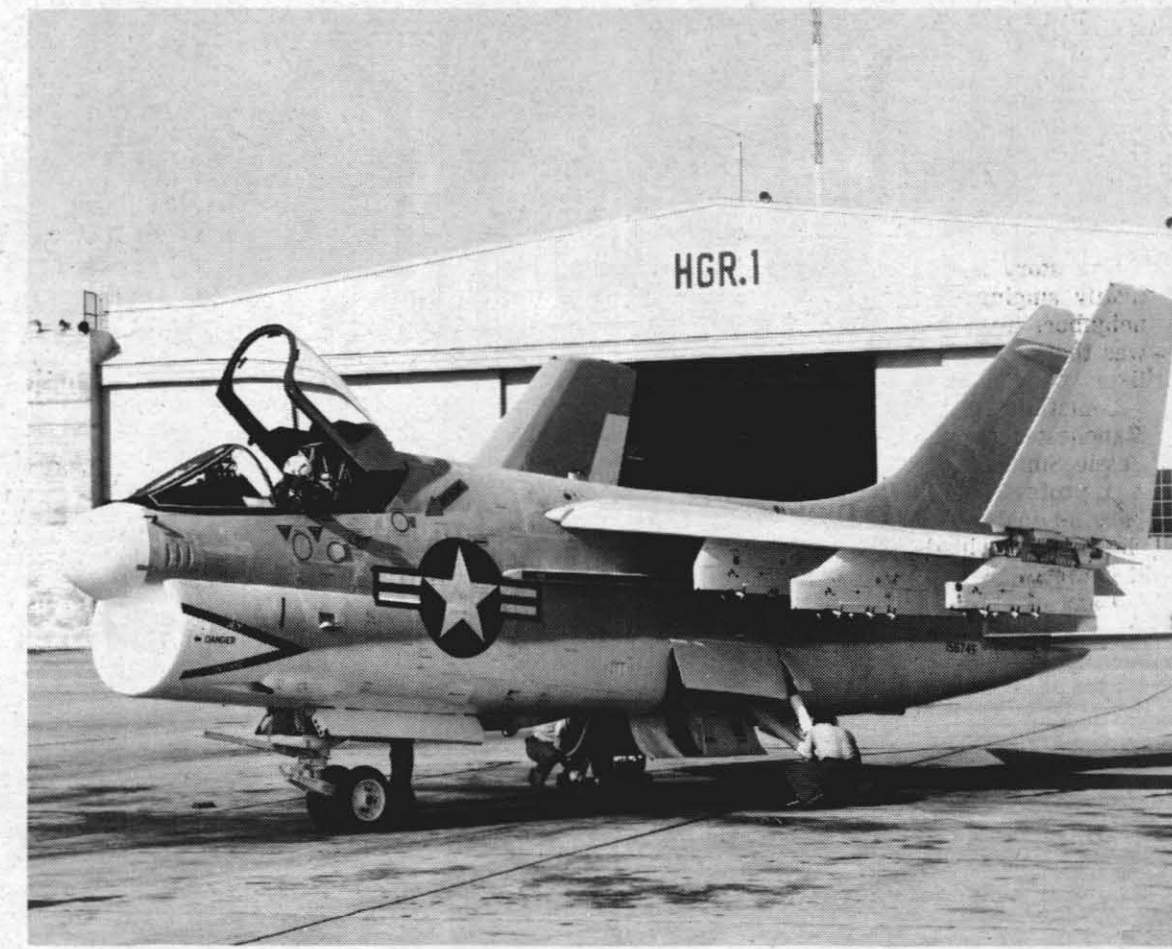
For further information, aspiring playwrights are invited to call Ken Austerman, competition chairman, at 446-5979.

NWC Teenagers

High-school age students, and those who have returned from college for the summer, are invited to a WACOM sponsored teenage dance to be held on the Lantai of the Commissioned Officers' Mess on August 21, 1969.

The dance will be presented between the hours of 8 and 11 p.m. and will feature live music by the "Street Grease."

Dress is "casual" for what promises to be a fun-filled evening.



VX-5 TESTS A-7E—LCDr. Zip Zirbel gives thumbs up sign as he prepares to take the new A-7E aircraft through a flight. VX-5 recently acquired the plane and has the responsibility of testing and evaluating the A-7E in an operational environment.

ASPA, CLEA Meet To Discuss Plan To Import Teacher

Educators representing the local school systems and representatives from the China Lake chapter of the American Society for Public Administration and the China Lake Education Association met Thursday, August 7 to discuss the possibility of obtaining a teacher from the Volunteers To America (VTA) program for this area.

It was agreed at this meeting that in addition to school financing it would be helpful to have community financial support for providing the \$3450 in living costs for the ten months that the Volunteer would be in the area.

VTA, a Peace Corps program sometimes referred to as the Peace Corps in reverse, brings to the United States each year a group of teachers from Africa, South America, and Asia to teach American children the special skills and ways of life in their homelands.

VTA teachers are qualified and prepared to teach all subjects relating to their home country at any level, kindergarten through twelfth grade. In addition to teaching children, they are also willing and anxious to speak to community organizations about their country.

Indications of the community's interest in the VTA program can be expressed at the August 18th China Lake School Board meeting at 7:30 in the China Lake School District Office at Murray School. Individuals and representatives of local organizations are invited to attend and indicate their interest.

ASPA has agreed to serve as the coordinating body for this community project. Pledges by groups and individuals should be sent to China Lake Chapter of ASPA, Post Office Box 5542, China Lake, California.



PLEASANT TASK—One of Cdr. Bates' first chores upon assuming duties as Head, Command Administration Department was to award his secretary, Diana Combs (c) an Outstanding Performance Award and a Quality Step Increase. Looking on is Alma Cowan, Assistant Head, Command Administration Department.

11ND Offers Fun-Sun Vacations

Would you believe that \$2.75 will take care of your hotel room for two people for four days and three nights in any one of 16 fabulous hotels in either Las Vegas, Reno, Tahoe, Miami Beach, Palm Beach, or New Orleans?

It's true! The special price has been arranged by 11ND Special Services with Fun-Sun Vacations of Las Vegas.

Here's how it works—Fill out the "11ND Special Services Holiday" coupon available at the Community Center, and send along with \$2.75 to Fun-Sun Vacations in Las Vegas, Nevada.

You will then receive an official certificate of registration for your vacation. The certificate is good for one year after date of receipt, is transferable, and entitles you to four days and three nights for two persons at one of the participating hotels in the six cities.

Upon receipt of the certificate, a reservation request must be filled out indicating which city you desire, dates of

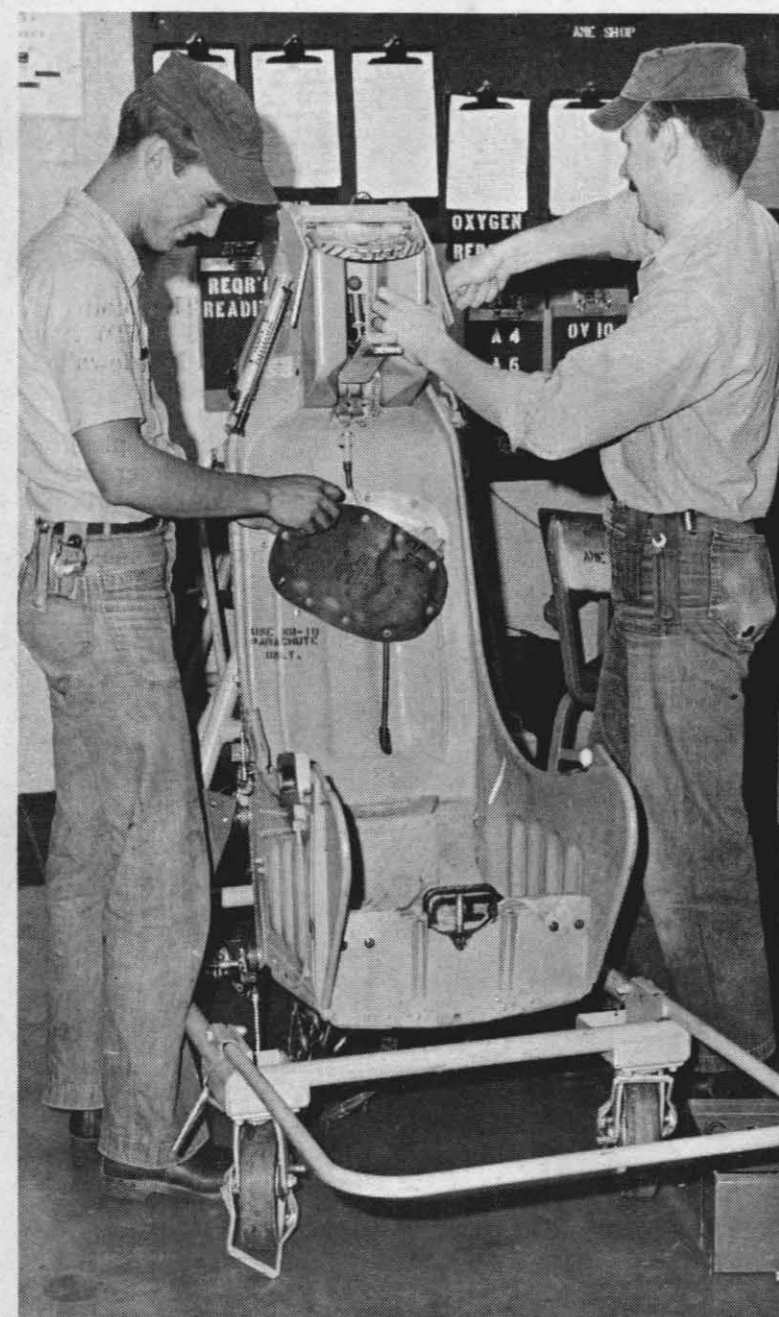
arrival and departure, accommodations needed, etc. The reservation request must be mailed at least 20 days before you plan to arrive. You will then receive a written confirmation of your hotel reservations.

The special \$2.75 price is good for any date except the peak months of July, August and September in Las Vegas, where an additional charge is made of \$3.50 per person per night. During December 15 to April 15 in Miami Beach, \$7.50 per person per night.

There are several rules which must be followed. The certificate is valid only for a married person accompanied by spouse, both over age 21 and under age 65, or for two unmarried persons in the same age bracket and of the same sex.

The certificate can be used for arrival on Sunday, Monday or Tuesday only. Nights available for accommodations are Sunday through Thursdays, and certificates are not valid for Friday or Saturday nights.

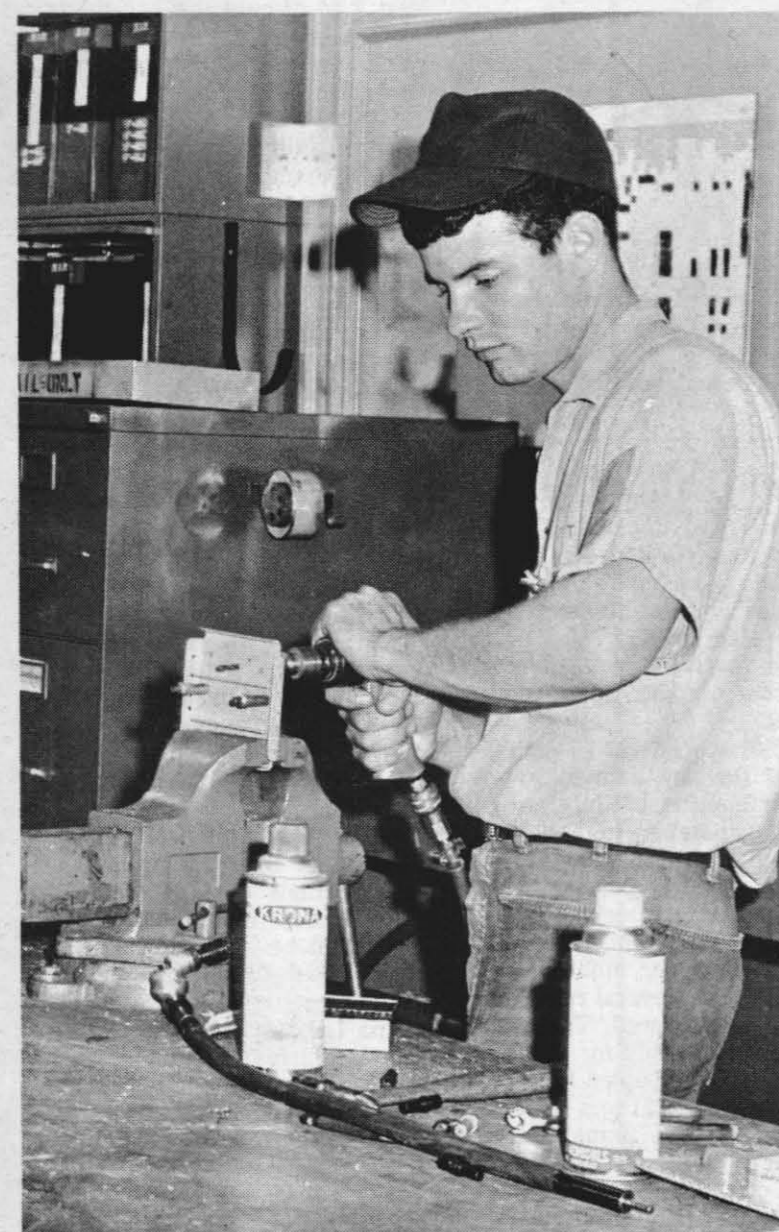
Aircraft Maintenance At NAF Combination



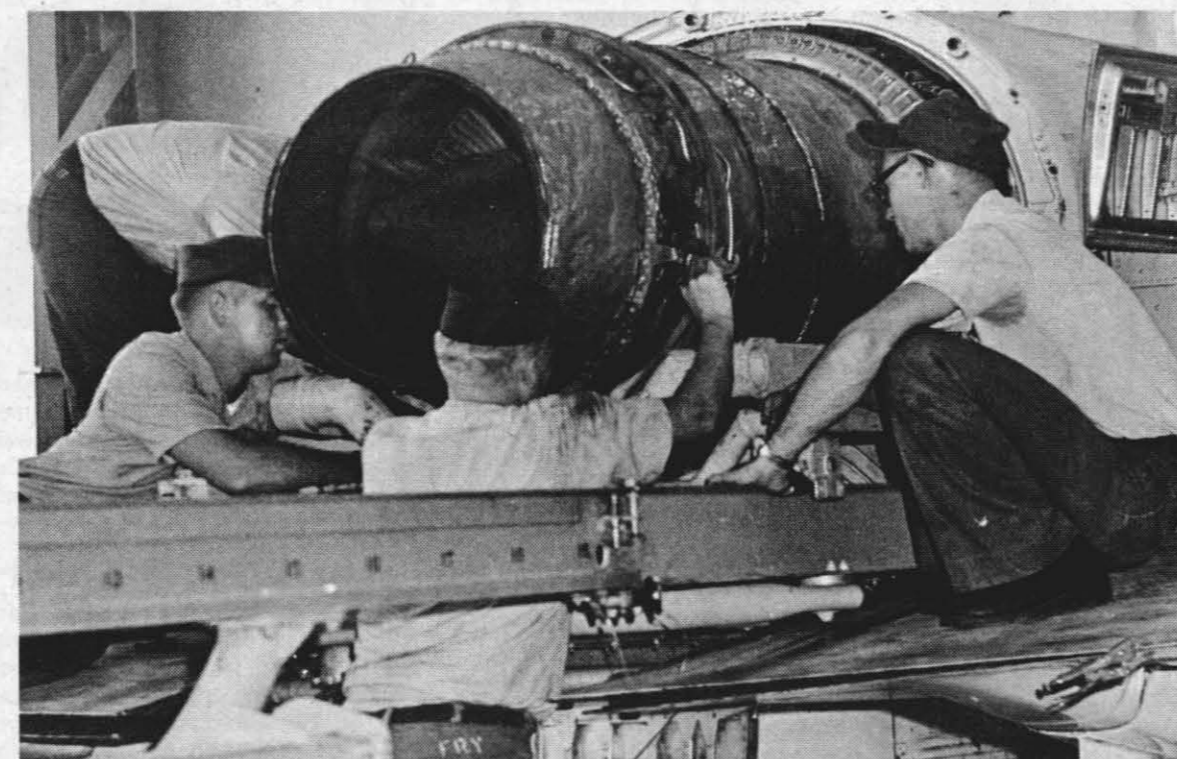
MEN OF THE OMD Line Check Crew swarm over an aircraft as they make a routine post-flight check. These men also perform pre-flight checks, and periodic maintenance. Shown in the photo are, from left to right,

AMEAA R. Pickard; ADJC G. Shearer; AT1 F. Pooler; AQB-3 R. Ehlers; AQB-2 F. Schiefen; AN T. Seiss; ADJAN T. Dost, and AE-2 G. L. Johnson. All organizational repair on the aircraft is performed by OMD.

AMEAA R. Pickard, left, and AMEAN J. Cotter, who work in the OMD Safety and Survival Shop, are shown adjusting the face curtain on an ejection seat. The Safety and Survival Shop is a part of Organizational Maintenance.



AMH-2 G. D. Smith is shown drilling screw-mounts for a bracket in the Airframes shop of the Operational Maintenance Division. This shop operates at the Organizational Maintenance Level, and is a part of OMD under Cdr. B. Van Gundy, Operations Officer, at NAF.



ABOVE—Men of the Check Crew of OMD Powerplants pull a J-52 engine from an A4 aircraft in preparation for making a periodic maintenance check. LEFT—ADJ-3 D. Johnson, left, ADJ-1 D. Bauer, center, and AN R. Hughes, on the right, all members of the AOD Powerplants Division, are seen making repairs on a jet engine, the TF30P8, from an A-7 aircraft, after the engine has been pulled from the aircraft and wheeled into the Shop. Not only does the Powerplants Shop make all of the repairs on parts and components of jet engines, they also perform the periodic inspections required at the Organizational Maintenance Level.

Of Expertise, Experience And Training

Organizational and Intermediate Level Work Is Performed on Center

The Naval Aircraft Maintenance Program consists of three separate levels of maintenance: Organizational, Intermediate, and Depot. At the Naval Weapons Center, maintenance is performed on two levels, Organizational and Intermediate.

Cdr. V. A. "Butch" Verich heads the Aircraft Maintenance Division (AMD) which is the Intermediate Level, and Organizational Level maintenance is performed by Operations Maintenance Division (OMD) under the leadership of LCdr. W. J. Orchard, and also by Targets Maintenance, under the command of Lt. H. K. Lankford.

In the two separate organizations, the men work in Divisions, categorized according to the type of work performed. AMD consists of six different divisions: Airframes; Avionics; Powerplants (Jets); Aviators Equipment; Aviation Ground Support Equipment; and Maintenance Material Control. Over 120 men are utilized in this group to fight the never-ending battle to keep aircraft flying.

The reason for the different levels of maintenance is one of finances. If the equipment used at the Depot Level of maintenance were duplicated by each organization, the cost would be staggering. The same holds true for specialized gear and equipment found at the Intermediate Level that is not used at the Organizational Level. "The idea behind the three levels of maintenance," Cdr. Verich stated, "is to repair the aircraft, or component, at the lowest level possible."

Maintenance (OMD), who perform all actual maintenance work on the aircraft, ascertain that the radio cannot be repaired on the spot. They notify Maintenance Control (AMD). A card is prepared on the "down" radio, and a priority is assigned to the repair.

The defective radio, (or part), is sent to Supply, which screens the radio and tells Avionics Division to repair it.

The Electronics Shop makes the repair and sends the radio back to Supply, who in turn notifies Maintenance Control that the work is finished. The card on the Skedigraph is pulled after Line Maintenance installs the radio back into the aircraft. This normally completes the cycle.

However, if Supply does not have the part needed to repair the radio, and the part cannot be manufactured in the Electronics Shop, then Maintenance Control is notified of this fact, and a further card is prepared and filed under "Parts Ordered" with a priority assigned. The card in the Skedigraph is marked with the information that a part has been ordered.

When the part arrives, the normal cycle is then put back into operation.

If Intermediate Maintenance can be referred to as the "life-line" of keeping an aircraft operational, then OMD, Organizational Maintenance, should be called the "heart" of the system. It is within this structure, on the Line, that a plane is torn down, repaired and put back together again.

Organizational Level

The men who work in OMD perform many vital functions in the maintenance life of an aircraft. It is within this group that Aircraft Trouble-Shooting is done, as well as repair, and line maintenance, including daily pre-flight and after-flight inspections, and minor adjustments.

Avionics consists of an Electronics Shop, Electric Shop and Fire Control Shop. The Powerplants Division, which deals in jet engines only, performs Periodic Inspections on the Organizational Level as well as the Intermediate Level.

Aviators Equipment Division utilizes a Para Loft Shop, Fabric Shop and Oxygen Shop. Aviation Ground Support Equipment is run jointly with Public Works, and consists of all the equipment at NAF which is painted yellow, including the engine starters.

Maintenance Control is in Cdr. Verich's office, where all of the Maintenance being performed in the various shops is controlled and scheduled. A device known as the Skedigraph, which consists of a large chart showing all parts "down" for maintenance in such a way that the men in the office can tell at a glance how far a work order has progressed.

All repair work is assigned a priority, depending on the immediate need of the parts and this too is filed on the Skedigraph for easy referral.

A typical repair cycle as it is performed at NAF is as follows: A pilot reports that the radio in his aircraft is not operational. The men on Line

Some of the aircraft that the men in OMD deal with daily are: the A-4; A-7; F-8; C-131; C-117; OV-10; A-1; UH-34; F-4; UH-1; U3A; C-47; A-6; DF-8; and the T-28. LCdr. Orchard stated that his men deal with 33 different aircraft, which includes 19 different types, and which contain 16 basic engines.

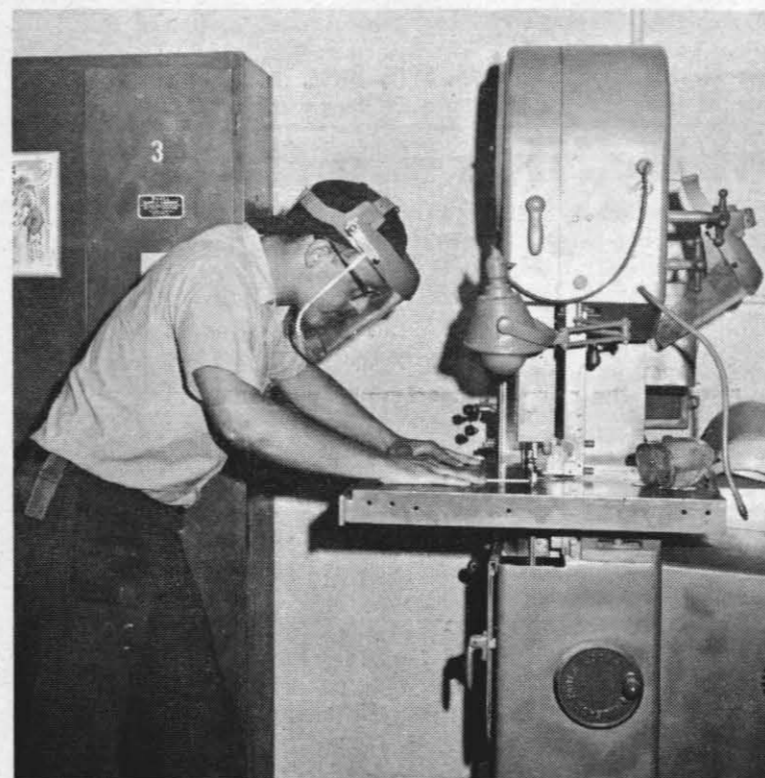
Also located within OMD is a Missile Shop Unit, which loads and unloads missiles, as well as performing maintenance. They also see to the storage and packing of the missiles. Targets Maintenance, which is at the Organizational Maintenance Level, deals strictly with the Drone Aircraft and the BQM.

Cdr. Verich stated, "The men at NAF, both AMD and OMD, perform approximately 60 to 70 percent of all maintenance here at the Center, a feat capable only through extraordinary teamwork."

As any pilot can testify, an aircraft is only as good as the operational. The men on Line



ABOVE—Men of the OMD Line Check Crew are shown performing a pre-flight check on a TA-4F aircraft. This is a routine check performed on each aircraft before it is flown. Shown are AN A. Jensen, in cockpit; AN G. Kinsley, underneath cockpit; AN F. Obias, under wing; AA A. Jackson, on wing next to fuselage, and ADJAN R. Krakoskie, also on wing. LEFT —AMS-3 E. Hanson is shown operating a band saw located in the Metal Shop, an integral part of the Airframes Division of AMD. In this shop, work is done on the Intermediate Maintenance Level. This is to say that repair work is done on parts or components of an aircraft, rather than on the aircraft itself.



Photographs By PHAN Maurice Dias



TWO SEPARATE line crews are busily engaged in loading ordnance and pulling a pre-flight check on this OV-10A, located on the line at NAF. The men seen in this photo are: left to right, ADR-2 C. Pope, ADRAN L. Powers, ADR-3 R. Smaniotto, and ADJAN M. Overton. Each aircraft is given a pre-flight check and a post-flight check by the OMD Ordnance Line Crew. All maintenance, either

on the aircraft or in relation to ordnance, is performed at the Organizational Maintenance Level by the men in OMD, (Operations Maintenance Division). OMD is commanded by Cdr. B. Van Gundy, Operations Officer. It is due to the high efficiency of men at NAF that 60 to 70 per cent of all repair work on the aircraft is performed on the Center.