



YOUNG JOE AND "LOLA'S"—Richard Olson (c), who will portray "Young Joe" in the Burroughs Summer Player's production of "Damn Yankees," is surrounded by four Burroughs students who will portray different facets of "Lola," the female lead in the play. Seen from left to right are: Gail Reed, Barbara Lewis, Olson, Melaine Moore and Kathy Felkner. The play, which is directed by Bea Moore, p.m. in the Burroughs Multi-Use Room. In addition, a 2 a.m. will open July 30, and will play July 31 and August 1 at 8 p.m. in the Burroughs Multi-Use Room. In addition, a 2 p.m. matinee will be performed on August 1. Tickets, priced at \$1 for all, are presently on sale at the Gift Mart in Ridgecrest, and at the school office or at the door on the nights of the production.

# SHOWBOAT

## MOVIE RATINGS FOR PARENTS AND YOUNG PEOPLE

The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

**G** ALL AGES ADMITTED  
General Audiences

**GP** ALL AGES ADMITTED  
Parental Guidance Suggested

**R** RESTRICTED  
Under 17 requires accompanying Parent or Adult Guardian

**X** NO ONE UNDER 17 ADMITTED  
(Age limit may vary in certain areas)

ALL THESE RATES OF THE MOTION PICTURE CODE OF SELF-REGULATION

FRIDAY JULY 17

"OTLEY" (91 Min.)  
Tom Courtney, Romy Scheider  
7:30 P.M.  
(Spy/Comedy) Unambitious, perennial "Loser" Otley gets invited to a party and ends up the foil of an espionage and double-cross in this frantic farce that shows the Mod-Hippie scene and a hysterical chase scene. (GP) "Bloody Mama" cancelled.  
Short: "Tawain Today" (19 Min.)

SATURDAY JULY 18

-MATINEE-  
"RHINO" (92 Min.)  
Robert Culp  
1:00 P.M.  
Shorts: "Hippodrome Tiger" (7 Min.)  
"Listen Judge" (16 Min.)

-EVENING-  
"MY SIDE OF THE MOUNTAIN" (100 Min.)  
Ted Eccles, Theodore Bickel  
7:30 P.M.  
(Adventure) DON'T MISS this engrossing story of a teenager's search for self-knowledge by sustaining himself, and a pet racoon, in the Canadian wilds. Could YOU live off the land with pure and simple existence from 177? (G)  
Short: "Whimpy Pink" (7 Min.)

SUNDAY-MONDAY JULY 19-20

"M\*A\*S\*H" (116 Min.)  
Elliott Gould, Donald Sutherland  
7:30 P.M.  
(Comedy) This Mobile Army Surgical Hospital team maintains their sanity, in the face of their horrible daily task, by zany hijinks of sex and scalps, Golf and Gore, and irreverent jobs at the establishment and the military—but it's all just for laughs! In fact it's just about anti-everything but fun, sex and heckling the conventional. Two new stars are born! (R)

TUESDAY-WEDNESDAY JULY 21-22

"NORWOOD" (95 Min.)  
Glen Campbell, Kim Darby  
7:30 P.M.  
(Comedy/Music) Fun-filled adventures of a recent ex-Marine who gets fed up with his small town job, goes to New York for a fling with a pretty hippie and then down South to fall for Kim and a college-educated hen. (G)  
Short: "It's a Tough to Be a Bird" (22 Min.)

THURSDAY-FRIDAY JULY 23-24

"MOSQUITO SQUADRON" (90 Min.)  
David McCallum  
7:30 P.M.  
(Air War Drama) How could the dreaded German V2 rockets be stopped? The story behind the success of this specially trained squadron is an exciting one of strong men and the origin of skip bombing. (G)  
Shorts: "Pink Valiant" (7 Min.)  
"Take Off" (10 Min.)

L.Cdr. R. M. St. Germain, Head, NWC Security Department, and R. H. Bodwell, Associate Department Head, now have offices located in Bldg. 879, between Halsey and King St., on the Center. In addition, the Contract Security and Classified Management Office is also located at that address.

One other move was made by the Security Department within the past week — the Office of Visitors—outgoing, has moved to the Trailer at the Main Gate.



NEWCOMERS WELCOMED — Doris Valitchka and Gloria Randle were the first to greet those who attended WACOM's recent event that was designed to introduce newcomers to the area to some of the older residents. The event, which was held at the COM, was chaired by Mrs. H. G. Wilson, assisted by Mrs. M. R. Etheridge.

## Poster Reveals Change In Political Activity

The Civil Service Commission has issued a revised political activity poster for federal employees as a guide to the type of political action they may or may not take under the provisions of the Hatch Act. Copies of these posters will soon be distributed to the various Codes on the Center for posting on Department bulletin boards and other conspicuous places.

The only major change is the following sentence added to the bottom of the poster: "CAUTION: An employee's conduct is also subject to the regulations of his agency."

An attorney in the CSC's office of the general counsel said this applied to something like wearing buttons. While this is allowed, even political buttons, the added sentence refers to agencies where wearing buttons "may disrupt the work situation," according to the attorney.

Another change dropped the word "partisan." It was decided that some employees were confused in this context.

Under the new wording the pertinent paragraph states: "You may not be a candidate or work in a campaign if any candidate represents a national or state political party."

For additional information or further clarification, contact your departmental personnel management adviser.

**Present Guidelines**  
The poster lists the following new guidelines:

- You may register and vote as you choose.
- You may assist in voter registration drives.
- You may express your opinion about candidates and issues.
- You may participate in campaigns where none of the candidates represent a political party.
- You may contribute money to a political organization or attend a political fund-raising function.
- You may wear or display political badges, buttons, or stickers.
- You may attend political rallies and meetings.
- You may join a political club or party.
- You may sign nominating petitions.
- You may campaign for or against referendum questions, constitutional amendments, municipal ordinances, etc.
- You may not campaign for partisan candidates or political parties.
- You may not work to register voters for one party only.
- You may not make campaign speeches or engage in other activity to elect a partisan candidate.
- You may not be a candidate or work in a campaign national or state political party.
- You may not collect contributions or sell tickets to political fund-raising functions.
- You may not distribute campaign material in a partisan election.
- You may not organize or manage political rallies or meetings.
- You may not hold office in a political club or party.
- You may not circulate nominating petitions.
- You may not campaign for or against a candidate or slate of candidates in a partisan election.

IN AN EMERGENCY  
CALL:  
446-3333

From \_\_\_\_\_

TO \_\_\_\_\_

STAMP

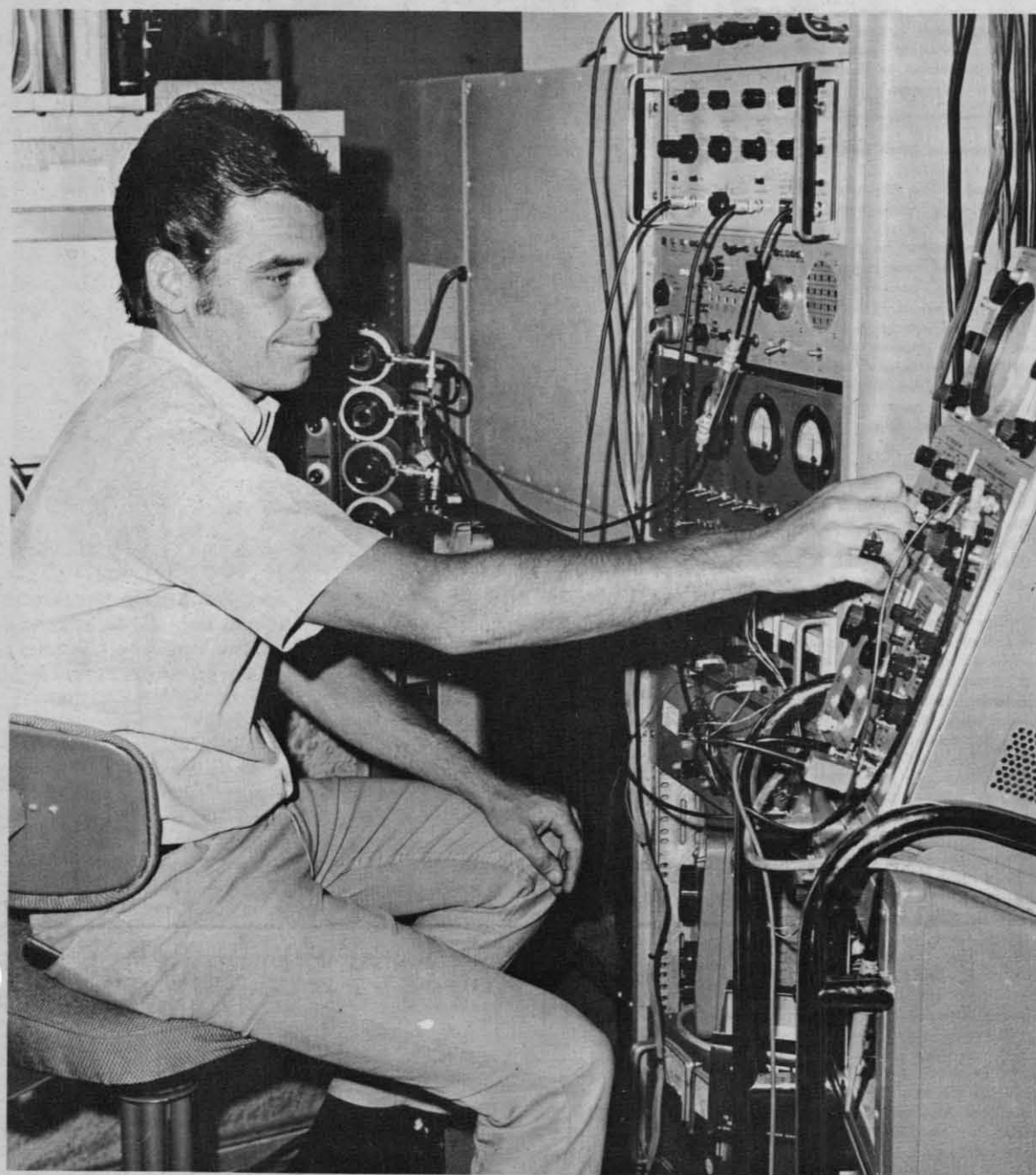
Inside . . . .

- Ice Cream Social . . . . . 2
- Gen. Groves Dies . . . . . 3
- Employees Graduate . . . . . 4
- Sports . . . . . 6
- New NL Logo . . . . . 7
- Showboat . . . . . 8

Vol. XXIV, No. 28 Naval Weapons Center, China Lake, California Fri., July 17, 1970



# Unique Packaging Support Offered Here



EXACTING WORK—Dave Roberts, an employee of the Test and Coil Development Section, Electronic Prototype Branch, tests a missile computer. Jobs such as this are performed daily in the Section in order to accumulate data to evaluate designed or redesigned missile electronic circuitry. —Photo by PH3 L. H. Detweiler

## Instrumentation Research and Development Projects Supported

The Test and Coil Development Section of the Electronic Prototype Branch, NWC Engineering Department, is staffed and equipped to support Center research and development projects in two major fields—Instrumentation related tasks; and magnetic device design and construction.

Headed by Bob Waters, the Section's primary objective is to complete the Branch mission by offering a comprehensive prototype product. This goal is accomplished in two ways: Supporting the Packaging Section, where equipment is fabricated in a variety of configurations, by in-process testing and qualification of completed equipment; and design and establishment of instrumentation systems and procedures with support from the Packaging Section.

The first and primary function of the Section—support of packaging—saves customers time and expense due to the Section's capabilities to complete an entire project within the Section, from a beginning schematic, to a completed module. In addition, the need for designers to make special test set-ups is eliminated.

An example of this function was the Code's involvement in the recently completed 60Hz Sync Generator modules for the WALLEYE project. The task assignment originated as a request for the Packaging Section to lay out and construct 15 modules. The modules were of cordwood type construction containing 19 integrated cir-

cuits and three capacitors. Due to the nature of construction, it was necessary to test all of the integrated circuits before installation in order to eliminate the possibility of component failures, as repair was considered impractical.

In order to accomplish the task, the section's responsibilities on the project included qualification of all components before installation, which required special test fixtures and instrumentation to simulate circuit conditions; the location of capacitors that were deemed satisfactory for use in the environmental conditions to be imposed on the module; experimentation necessary to determine the capacitance value range in order to achieve proper circuit alignment; the purchase of capacitors (which required a search and ended with the discovery that only one manufacturer made a suitable capacitor); selection of capacitors and "marriage" to integrated circuits to obtain given pulse widths; and the final testing of completed modules to design parameters.

Before delivery to the requestor, the Code performed troubleshooting to isolate faulty components, which proved to be the most important phase of the assignment, as approximately 50 per cent of the modules had failures due to unforeseen manufacturer's defects in components. The troubleshooting skills and methods developed in the Section made it possible, however, to isolate the faulty component and accomplish repair without damaging the modules, thus there were no modules lost.

### Packaging

The second function of the Section—requiring packaging support—is utilized by many

(Continued on Page 5)

## NDEA Project Funds Approved

This past Spring, the China Lake Elementary School District had applied for a National Defense Education Act of 1965 Title III Project.

This past week, word was received by District administrators that this project had been approved. The NDEA Title III Project is based on matching funds with the District paying 50 per cent and the Federal Government paying the other 50 per cent of the total cost of the project.

Some of the things which the District hopes to accomplish with the funds are the provision of television receivers in classrooms; central signal distribution system at each school; and a video tape recorder which will allow the schools to record programs for broadcast at a teacher's discretion.

At the present time, completion of this project is dependent upon action by the US Congress on the HEW appropriation bill from Fiscal Year 1970.



20-YEAR PIN PRESENTATION — Acting NWC Technical Director H. G. Wilson received a 20-year NWC pin at ceremonies conducted recently by Capt. M. R. Etheridge, NWC Commander. The award pin was

the first to be issued of the new service mementos. Designed by Dick Johnson of TID, it is inscribed with the new Navy Laboratories logo (See page 7). —Photo by W. Fettkether

## Advanced Degrees . . . . .

(Continued from Page 4)

Ridge Rd., China Lake. Edward L. Jeter was awarded an Engineer Degree in Applied Mechanics from Stanford University. Jeter received his Bachelor of Science degree in Mechanical Engineering at the University of Oklahoma in January 1964 and a Master of Science degree in Applied Mechanics at Stanford University in 1968. He began his employment at NWC as a summer employee in 1962 and 1963 and returned immediately upon receiving the Bachelor of Science degree. His studies at Stanford were begun in the Fall of 1967 under a WEPCOSE Award and

were supported the following year by an NWC Fellowship. Jeter is employed as a Mechanical Engineer in the Structural Mechanics Branch (Code 4062) of the Weapons Development Department. He resides at 119-B Hancock, China Lake.

Starnes E. Walker was awarded a Master of Science degree in Physics from the University of California at Riverside. The award was in recognition of having qualified by examination for study toward the doctorate. Walker received the Bachelor of Science degree in Physics from UC, Riverside in June 1968 and pursued his graduate studies during the 1969-70 academic year under an NWC Fellowship. He will continue his studies in Physics during the 1970-71 academic year under an NWC Fellowship extension. Walker has been employed as a Physicist at the Naval Weapons Center, Corona Annex, since June 1968 in the Systems Techniques Branch (Code 5012) of the Fuze Department. He and his wife Frances reside at 4449 9th Street, Riverside, California.

Donald J. Zeleny was awarded a Masters of Science degree in Physics from the University of California at Riverside. The award was in recognition of having qualified by examination for study toward the doctorate. Zeleny obtained the Bachelor of Science degree in Physics from the New Mexico Institute of Mining and Technology in 1967. His graduate studies at UCR were supported by an NWC Fellowship during the 1968-69 academic year and by an extension thereof this past year. Zeleny is employed as a Physicist at the Naval Weapons Center Corona Annex in the Missile CM Branch II (Code 4242), Missile Systems Department. He and his wife O'cilla reside at 3460 Anderson Street, Riverside, California.

## NL Logo . . . . .

(Continued from Page 7) styles and shapes, all of which seemed either too extreme or hard to read. After a great deal of experimentation and consideration, I combined the letters NL into what I felt was a bold but simple solution."

There are three significant things happening in this logo, which symbolizes a contemporary forward-moving organization: first, is the use of an easily read bold gothic face; second is the slanted italic nature of the letters to give it a feeling of urgency and movement; and third the arrow on top of the L gives it a contemporary upward thrust, which is symbolic of this and the coming century.

During the design process two checks were made with Dr. Joel S. Lawson, Jr., the Director of Navy Laboratories, to determine if he was satisfied with the design. Some changes resulted.

Asked if he was happy with the final design, Johnson said, "Yes, considering the process by which a new logotype is born, I'm happy with it, and I think it will stand the test. There are of course in any design exercise the inevitable suggestions, changes, and compromises involved, but then I'm sure that you are aware that design by its very nature is a subjective and sometimes controversial matter."







HONORED BY NAVY RELIEF—Jeanne Robcke (2nd from left) was honored at a tea recently by the Navy Relief Society for the many hours of unselfish volunteer work which she has devoted to Navy Relief causes, at a tea held at 1 Enterprise Rd., on the Center. Bernice Putnam, the Executive Secretary of the Long Beach Auxiliary of the Navy Relief Society, (2nd from right) was present for the tea. J. H. Robcke, left, recently retired Executive Officer of NAF, and Capt. L. A. Dewing, NAF Commanding Officer, also attended the function, which was hosted by Mrs. Ann Etheridge.

Park Commission Asks Clean-Up

The China Lake Park Commission wishes to remind Center residents who intend to use McBride Park as a picnic site that the Park must be kept in a clean and orderly condition. Users of the park are asked to police the park before leaving and to empty the G.I. can after use into the trash bin located just outside the fence.

Two further items of interest to persons using the park—the rest room facilities should be checked before leaving, and patrons of the park are reminded that the sprinklers go on at 10 p.m. In the past, persons in the park have been doused because they were not warned of this fact.



The Rocketeer

Official Weekly Publication U. S. Naval Weapons Center China Lake, California. Capt. M. R. Etheridge, USN NWC Commander. 'J.' Bibby Public Affairs Officer. Joan Taylor Assistant Public Affairs Officer Director of News Bureau. William P. Valenteen, Jr. Editor. Jack C. Lindsay Staff Writer. Lucille Edwards Editorial Assistant. PH1 Gary D. Bird, PH2 Delmar E. Hart, PH2 Michael F. Krause, PH3 Maurice Dias, PH3 L. H. Detweiler, PHAN Ronald G. Mills. Staff Photographers. DEADLINES: News Stories Tuesday, 4:30 p.m. Photographs Tuesday, 11:30 a.m. The Rocketeer receives American Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NavExos P-35, revised July 1958. Office at Nimitz and Lauritzen. Phones 3354, 3355, 2347.

DIVINE SERVICES

Protestant (All-Faith Chapel)—Morning Worship—10:00 a.m. Sunday School—8:30 a.m., Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite Center Restaurant. Roman Catholic (All-Faith Chapel)—Holy Mass—7, 8:30 and 11:15 a.m. Sunday. Daily Mass—11:30 a.m. in Blessed Sacrament Chapel. Saturday, 8:30 a.m. Confessions—7 to 8 p.m. Saturday, and 8 to 8:25 a.m. Sunday. 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.

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 relationships or patronage.

The vacancies listed below are effective from 17 to 24 July, 1970.

Technical Writer / Editor, GS-1083-7-11, Code 4531—The incumbent performs writer/editor services for all technical programs in the department. The technical documentation includes preparation of proposals, program plans, test reports, progress reports, specifications, manuals, and other documentation in support of the programs. Minimum Qualification Requirements: For GS-7 3 years of general experience and 1 year of specialized; for GS-9 3 years of general and 2 years of specialized; for GS-11 3 years of general and 3 years of specialized experience as defined in Handbook X-118. Job Relevant Criteria: A bachelor's degree or its equivalent in one of the engineering fields is desirable. File applications with Pat Gaunt, Bldg. 34, Rm. 202, phone 2723.

Ordnanceman (Ammunition & Explosives-Tech), WG 45017-9, JD No. 3-5, Code 4571

The incumbent of this position performs a variety of duties in the set-up, firing, and control of tests and experimental operations on explosives, missiles, projectiles, and propellants. Minimum Qualification Standards: Rating will be on ability to do the work of the position as defined in the appropriate Job-Element Standard. File above applications with Pat Gaunt, Bldg. 34, Rm. 202, phone 2723.

Security Officer, GS-086-12, Code 8401—Associate Department Head for Security responsible for formulation of policies and procedures necessary to conduct the security programs vital to the mission of the Center. Minimum Qualification Requirements: Three years of general experience and three years of specialized experience of which one year must be at the GS-11 level. See X-118 for description of general and specialized experience. Job Relevant Criteria: (1) Supervisory abilities; (2) Substantial experience in all phases of security specialist positions.

File applications for the above with Carole Cadle, Bldg. 34, Rm. 204, X-2925. Accounts Maintenance Clerk, GS-520-2, 3, 4 or 5, Code 1762 (3 vacancies)—Examination, validation, and verification of accounting documents and forms, posting of transactions to accounting records, correction of errors on postings, entries, computations, balances, etc. Minimum Qualification Requirements: GS-2: High School graduate; GS-3: High School graduate plus 1 year of general clerical experience; GS-4: 1 year of general clerical experience plus 1 year of specialized experience as stated in X-118. Advancement Potential: GS-5.

(Continued on Page 4)



ICE CREAM SOCIAL—Peggy Glass and Ted Stump prepare to enjoy an ice cream cone as the cartoon depicts, to advertise the Ice Cream Social sponsored by the Protestant Women of the All Faith Chapel to be held on Tuesday, July 21, from 6 p.m. to 9 p.m., on the Chapel lawn. Mrs. Richard Murphy, chairman for the event, stated that old-fashioned ice cream, cakes, pies and beverages will be available to those who attend. In addition, a barbershop quartet and the COMNAVAIRPAC band will provide entertainment for the affair, while cartoonist Gene Warren will be on hand to draw pictures for the younger set. Tickets will be obtained from any member of the PWOC, or at the Chapel office, or on the evening of the event. Donations are 50 cents for adults, 35 cents for servicemen, and 25 cents for children 12 and under.

CENTER LIBRARY LISTS NEW BOOKS

A complete list of new books is available in the library.

- Fiction: Egan—The Wine of Violence. Egleton—Piece of Resistance. Harrison—Best SF: 1968. Holt—Secret Woman. Sharp—Rosa. Slaughter—Countdown. Turner—Measure of Dust. Updike—Bech: A Book. Non-Fiction: Beagle—California Feeling. Bravery—Home Brewing Without Failure. Brenton—Voyage of the Sierra Sagrada: Across the Atlantic in a Canoe. Bullitt—Search for Sybaris. Button—The Authentic Child. Campbell—Handbook of Real Estate Investment. Dauven—Powers of Hypnosis. Drago—Notorious Ladies of the Frontier. Flick—New Streamside Guide to Naturals and Their Imitations. Gunston—Hydrofoils & Hovercraft.



DISPENSARY RECEIVES TV SETS—Mrs. Don Word, a patient at the NWC Dispensary, admires the two Panasonic TV sets given to the Center Dispensary by the Protestant Women of the All Faith Chapel recently. Chaplain Gordon Read, NAF Chaplain (I),

and Mrs. Roy Cobb, Ruth Circle Service Chairman of the PWOC (2nd from left), presented the sets to Capt. G. W. Jauchler and Cdr. E. G. Graves, Medical Department Head and Chief Nurse, respectively. —Photo by PH3 M. H. Dias

New Service Pin To Be Presented By NWC Awards Incorporate New NL Logo Designed by Johnsen

The first of the new NWC length of service pins was awarded on July 15, 1970. (See picture on page 1.)

The new awards are tie tacs for men and clutch pins for women. During 1970, 205 people will be eligible for five year awards, 196 people for 10 year, and 128 for 20 year.

The award was designed by R. A. Johnsen, Head of the Animation and Illustration Branch of TID's Presentations Division. They were manufactured by J. A. Meyers and Co. of Los Angeles.

A supply of the new awards is now at China Lake and individual departments have begun to obtain them for forthcoming presentations.

Strikingly modern in design, the new awards incorporate the symbol recently adopted by the Director of Navy Laboratories to symbolize the whole group of Navy laboratories. NWC is the first laboratory to incorporate the new symbol in its length of service awards. Other laboratories are expected to start using the symbol for Navy labs in their own awards, signs, etc., shortly.

New Symbol

The new symbol for Navy laboratories is as bold, modern, and memorable as any of modern industrial corporations. As a piece of graphic communication it says the Navy laborator-

ies are boldly moving into the future through their many programs.

The new Navy laboratory design is flexible enough to be used in various relationships with other elements. For example, the NWC identification is not lost in being incorporated with the Navy Laboratory Symbol—an important factor when used by a laboratory as individualistic as NWC.

Incorporating the Navy Laboratory Symbol in individual laboratory designs however, points up the fact that the lab is part of a large group dedicated to the same general objectives of progress through research and development.

DNL Encourages Use

In announcing the new symbol, the Director of Navy Laboratories encouraged individual laboratories to incorporate it into their own designs for signs, awards, etc.

To insure that the design is kept uncluttered and useful to all labs, each proposed design incorporating the Navy Lab Symbol must be approved by the Director of Navy Laboratories. A Center Instruction is expected shortly to set forth the internal procedure at NWC for obtaining these approvals.

New Logo Developed To Show Navy Lab Oneness

From earliest times man has used graphic symbols of various kinds to represent things. Royal Crests, signs above tavern doors, trademarks, flags, and corporate logos all have the same purpose—a kind of shorthand to represent a thing, a place, or an organization.

In asking for a logo design, the Director of Navy Labora-

tories recognized that the Laboratories as a group need a symbol that distinguishes them from other Navy activities. People remember graphic symbols much easier than names, so a good logo makes for quick identification and a lasting impression.

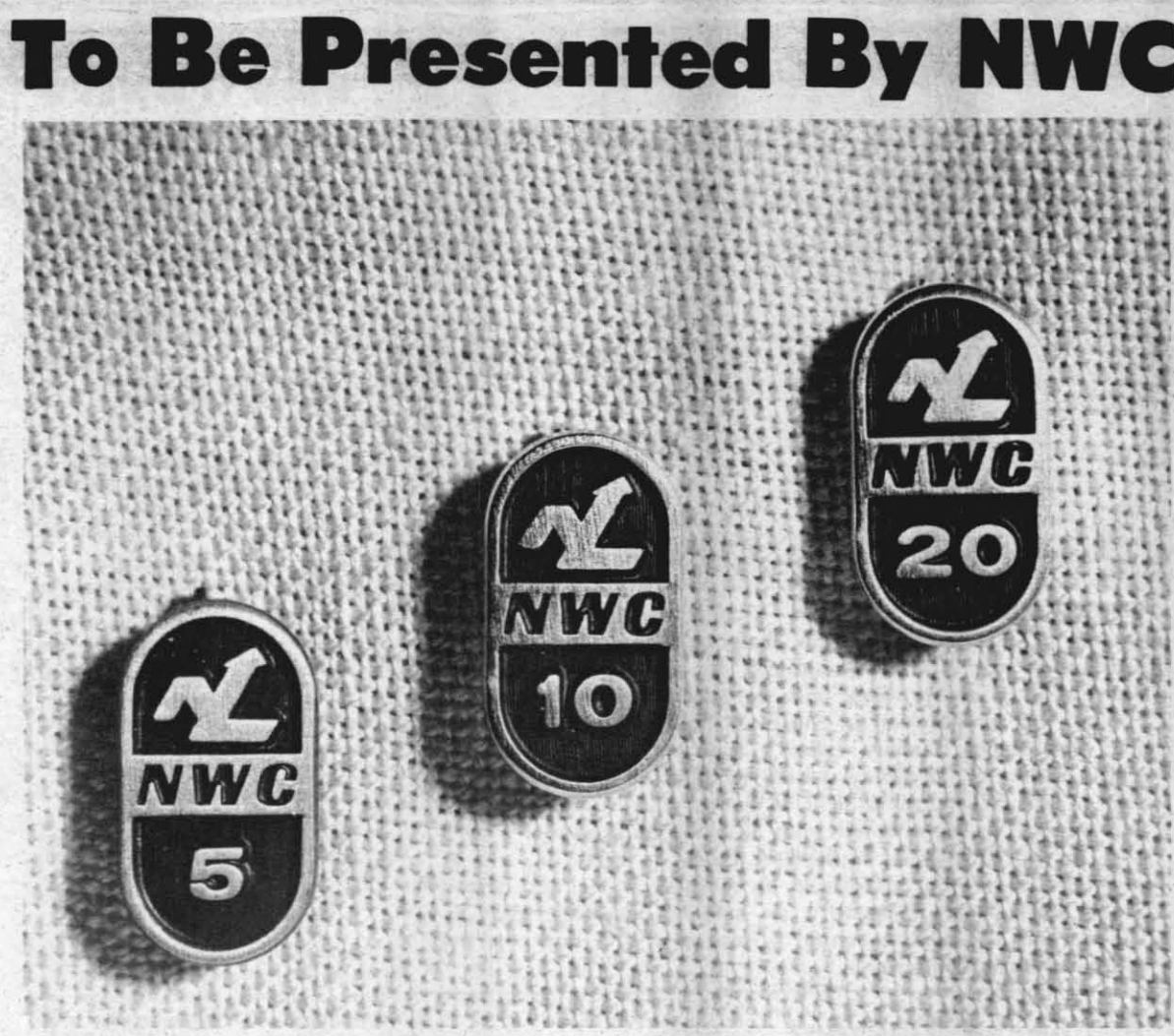
How Design Evolved

R. A. Johnsen, the designer of the logo, said "When I undertook this design task I first tried to get some feel for the breadth of activities of the Laboratories—looking for some common denominators. I fairly quickly concluded that they were a little like a corporate conglomerate in that they were involved with many, many things.

In reading about them and discussing the problem with my supervisor, I concluded that the chief things the labs had in common were that they were Navy and they were advancing into the future through their research and development programs."

Johnsen continued, "I explored dozens of design concepts. Some were pictographs, none which seemed appropriate or communicative. I eventually ended up where I started—with the two letters N L. I experimented with virtually every possible combination of the two letters.

"My early thumbnail sketches were somewhat conservative. I used traditional gothic faces in the early stages of design, because of their readability and design flexibility. Many of these early design efforts were developed into varying (Continued on Page 8)



NEW AWARDS—New NWC Length of Service Pins incorporate recently adopted symbol for Navy Laboratories. The Five year pin is made of bronze, the ten year pin of silver, and the twenty year pin is made of gold. The pins will replace those previously used.



The new Navy Laboratories' logo lends itself well to incorporation with other symbols. Such usages are encouraged but must be approved by the Director of Navy Laboratories.



PRIME MOVERS—R. A. "Dick" Johnsen, designer of new logotype for Navy Laboratories, discusses design with his supervisor, E. E. Kirkbride, Head of TID's Presentations Division. Kirkbride has handled the details of obtaining acceptance of the design and aided DNL in offering it to various laboratories. —Photo by W. Fettkether





### Bob Kochman Wins Two As 76'ers Widen Gap

Bob Kochman and Dave Taylor were the big news in the China Lake Intramural Softball League in games played for the week beginning July 8. Kochman pitched a 4-hitter against Triangle Sporting Goods, and threw a 2-hitter at VX-5.

Union 76 won both games, defeating Triangle 12 to 1 and VX-5 8 to 0, with Dave Taylor hitting a home run in each game and batting in 3 runs in each contest.

Not to be overlooked, however, was VX-5's stunning upset win over the NAF Hawks, 8 to 6, on Thursday, July 9. Tom Haus homered with one on for the Hawks and Jon Vornastic pitched a 4-hitter for the Vampires.

In other games played during the week El Ranchito defeated VX-5 5 to 0 on the strength of a 1-hitter by El Ranchito pitcher Billy Brown. Dick Braun homered for El Ranchito with two aboard.

In the second game Thursday, July 9, Bill Brown again racked up a win, defeating Ace TV 10 to 5. There were no homers in the contest, which saw El Ranchito pepper away at Ace TV, getting 12 hits for their 10 runs.

In the final contest on Monday, July 13, Pete Klassen threw a 4-hitter against El Ranchito for Triangle Sporting Goods, but lost a heart-breaker in the final inning, 3 to 2, when he struck out Dick Braun, who gained first base on a Passed Ball, and scored on a series of errors. Billy Brown, the winning pitcher, gave up six hits, one of which was a two-run homer to Andy Gilpin.

#### STANDINGS

	W.	L.	OBI
Union 76	13	4	—
El Ranchito	11	6	2
NAF	9	7	3 1/2
Triangle	8	9	5
Ace TV	6	10	6 1/2
VX-5	3	14	10

### Code 30 (2) Lead, But Keep Close Eye on a Group of Sand Baggers

With three weeks remaining in the China Lake Intramural Golf League, Code 30, team 2 holds a slim 1/2 game margin over a charging Ground Pounders team. However, the Sand Baggers, who are 3 1/2 games behind the league leaders, seem to have the best chance to win it all. At this point in the league, the schedule comes into a position of prominence due to the three teams ahead of the Sand Baggers, (Code 30, Team 2; Ground Pounders; and Code 17) all have byes within the next three weeks. Code 30, Team 2 will not play on the final week, the Ground Pounders have a bye next week (July 21), and Code 17 has a bye the week of July 28.

from the Chaparrals and Code 30, Team 2, took 3 from Code 5541.

The Sand Baggers took 2.5 points from the last place Rocketeers and the Chargers and Code 30, Team 1, will play a delayed match, postponed from July 14. NAF was idle.

#### STANDINGS

	Points
Code 30 (2)	26
Ground Pounders	25 1/2
Code 17	23
Sand Baggers	22 1/2
NAF	21 1/2
Code 551	21 1/2
Chaparrals	21
Code 5541	16
Code 30 (1)	15
One Eleven's	13
Duffers	11 1/2
Chargers	10 1/2
Rocketeers	9

In games played July 14, the Ground Pounders swept four points from a hapless Duffers squad and Code 551 took four from the One Eleven's. Code 17 managed 2.5 points

### Vehicle Records Not Always Right States DMV Head

Thousands of vehicle records in the files of the California State Department of Motor Vehicles show the wrong owner, stated Jack Souders, manager of the local DMV branch.

"This is due to persons who sell an auto through a private transaction failing to notify Sacramento of the exchange," Souders said.

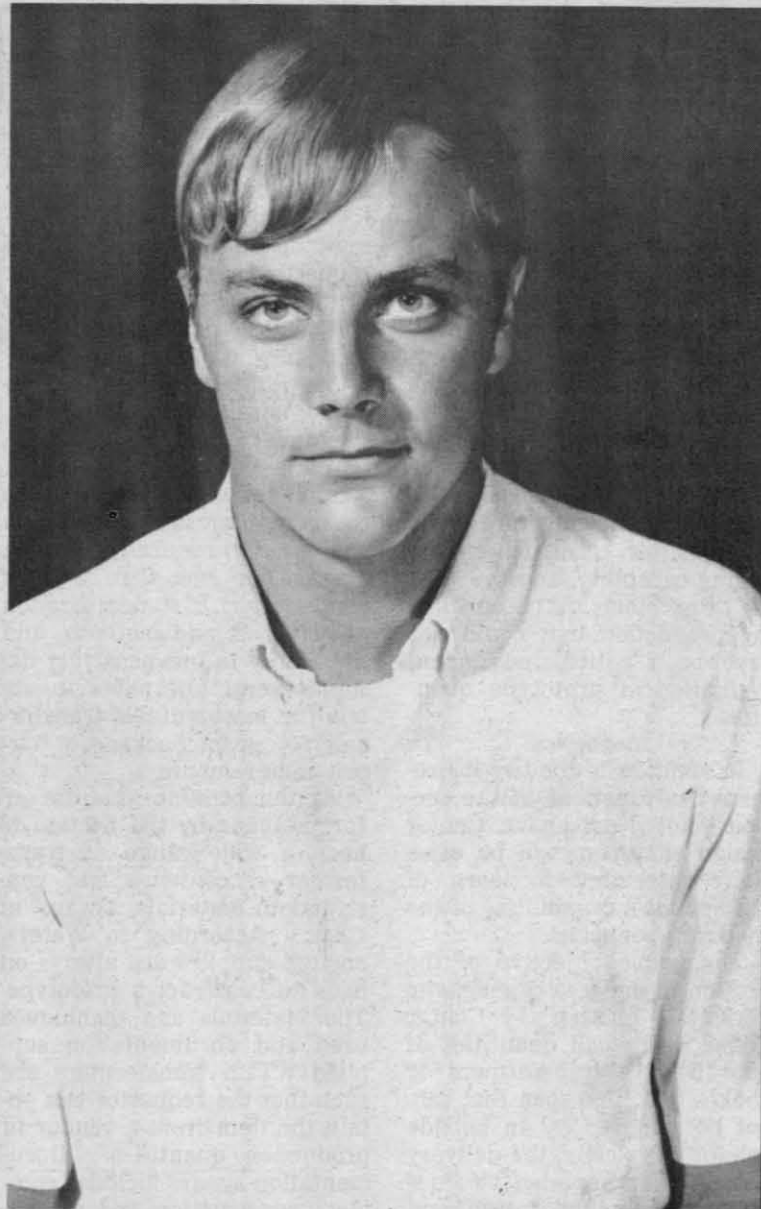
According to DMV Director Robert Cozens, motorists who sell a vehicle should fill out registration form 138, which notifies Sacramento that an auto has been transferred.

In this way, even if the vehicle's new owner fails to notify the DMV after taking delivery of a vehicle, ownership records will show that a transfer has been made.

Cozens added that it's still the buyer's duty to inform the DMV within 10 days after taking delivery of a vehicle, so that the ownership records can be rewritten in his name.



The Bishop All Stars softball team will play a double header against the league-leading Union 76 team of the China Lake Intramural Softball League on Saturday, July 18. The first game is scheduled to begin at 6:30 p.m. All Centerites are cordially invited to attend the games at Reardon Field.



### Athlete Of The Month

The NAF Hawks were the hottest team in the China Lake Softball League during the month of June. They started the month in fourth place, two games behind the league leaders, and by June 22 had jumped into a tie for first after compiling a record of 6 wins and 2 losses.

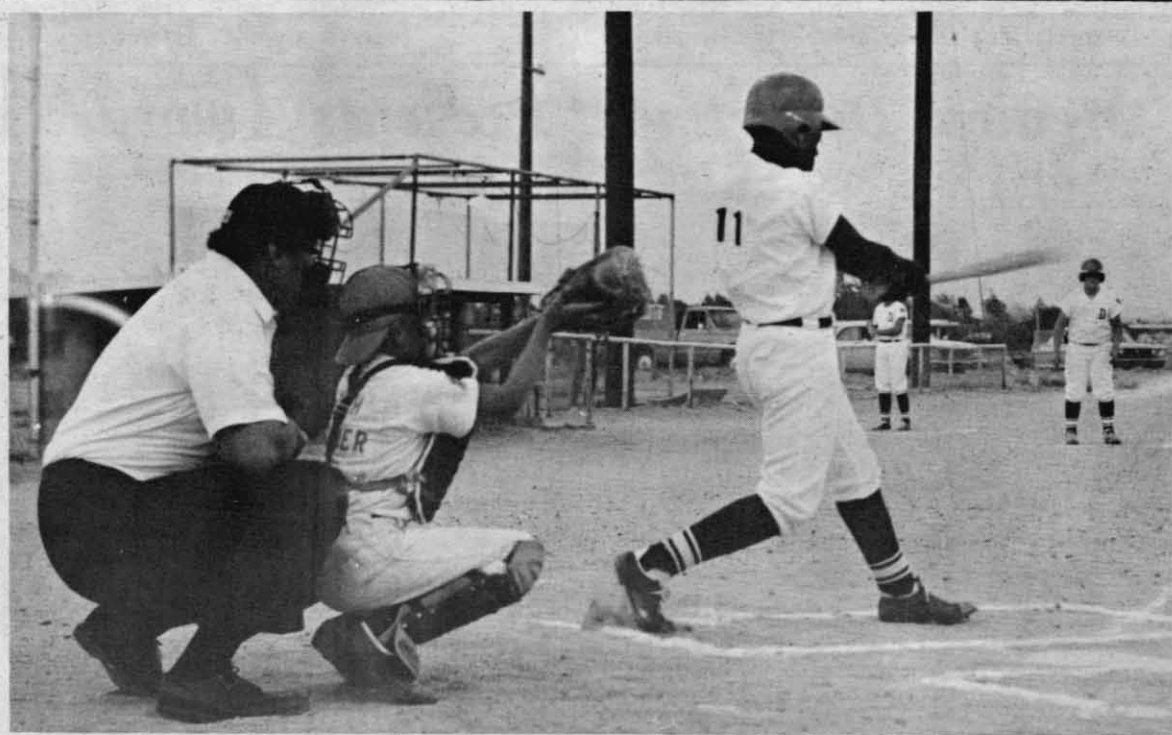
The winner of all six of those games was the Hawk's pitcher, Steve Wittrock, who has been named Athlete of the Month for June by Special Services.

Wittrock started and finished every game NAF played in June, and on one occasion won on consecutive nights.

Although he had played softball at home in Halbur, Iowa, Wittrock never pitched on a regular basis until this year. "Softball is really big back home," he says. "I was always a substitute, third string or something."

In China Lake, however, NAF has found that there is no substitute for Wittrock. A third class aviation machinist's mate during duty hours, Wittrock was nothing but first class on the mound. He pitched 54 innings (no other hurler even approached that figure) and was the prime force behind the Hawks' move to the top of the league.

A fastballer with superb control, Wittrock finished June with an earned run average of 1.81 and walked only nine men, an average of one per game.



**DODGERS WIN THRILLER**—The Dodgers, China Lake's Little League team, defeated the Senators from Ridgecrest Tuesday, July 14, in the first Intercity Championship game by scoring nine runs off of relief pitcher John Garrett in the sixth inning after the Senators' starting pitcher Steve Blanche gave up one run and had two men on base with none out. Blanche had a no-hitter going until the sixth but was visibly tired when he

was pulled for Garrett. Mark McDowell, winning pitcher for the Dodgers, gave up only one hit while going the route. Jim Hall, who managed the Dodgers, has been chosen manager for the China Lake All Stars, who will play Lone Pine at 8 p.m. July 24 in the second game of the All Star Division playoffs. Ridgecrest will play Bishop at 5 p.m. The games will take place at Diamond No. 4 on the Center.

### IWV Swim Team Swamp Delano In Meet at COM

The Indian Wells Valley Swim Team emerged wet but victorious at the Commissioned Officer's Mess Swimming Pool Saturday, July 11, when they defeated the Delano Swim Club in a meet which included 38 first place ribbon winners from IWV.

The first place winners were as follows:

**Individual Medley** — Nancy Gilkinson, 8 and Under Girls; Karl Nicholson, 8 and Under Boys; Kris Odencrantz, 9-10 Girls; Steve Hamm, 9-10 Boys; Becky Beresford, 11-12 Girls; Kris Bjorklund, 13-14 Girls; Bob Seeley, 13-14 Boys; Jane McGlothlin, 15-17 Girls; Jon Allan, 15-17 Boys.

**Butterfly** — Vicki Rungo, 8 and Under Girls; Cary Miller, 8 and Under Boys; Mary Kay Porter, 9-10 Girls; Kirk Odencrantz, 9-10 Boys; Lauri Adicoff, 11-12 Girls; Jan Hillard, 13-14 Girls; Jane McGlothlin, 15-17 Girls; Bruce Hillard, 15-17 Boys.

**Backstroke** — Nancy Gilkinson, 8 and Under Girls; Cary Miller, 8 and Under Boys; Kris Odencrantz, 9-10 Girls; Steve Hamm, 9-10 Boys; Laurie Adicoff, 11-12 Girls; Kenny Hayes, 11-12 Boys; Bob Seeley, 13-14 Boys; Carol Seeley, 15-17 Girls; Jon Allan, 15-17 Boys.

**Breaststroke** — Vicki Rungo, 8 and Under Girls; Chris Lockwood, 8 and Under Boys; Lori Noland, 9-10 Girls; Ricky DeMarco, 9-10 Boys; Elaine Forrester, 11-12 Girls; Richard Mello, 11-12 Boys; Steve Forrester, 13-14 Boys; Linda DeMarco, 15-17 Girls.

**Freestyle** — Anne Hugo, 8 and Under Girls; Carol Boyd, 9-10 Girls; Jon Goettig, 9-10 Boys; Linda DeMarco, 15-17 Girls.

IWV will attend two meets on Saturday, July 18—The IWV A team will travel to Bakersfield for the Kern County championships, and the "B" team will go to Bishop to swim against the Bishop swim team.

### Gen. Groves, Developer Of A-Bomb Effort, Dead

Lt. Gen. Leslie R. Groves, for whom Groves Street and the Groves School at China Lake is named, died last Monday night from a heart attack at the age of 73.

According to Dick Halen, Principal of Groves School, permission was obtained from the Center to display the school's flag at half-mast until the General has been interred. In addition, appropriate commemoration ceremonies were held in each of the classes at Groves School that are involved in the China Lake Summer School Program.

#### "Manhattan" Boss

General Groves was best known as the hard-driving Army engineer that bossed the World War II "Manhattan" Project that subsequently developed the atomic bomb, and which employed thousands of scientists, technicians and workmen in scores of laboratories and construction camps around the country under a cloak of enforced secrecy.

One of these was the Salt Wells Pilot Plant here at China Lake which was put together in relatively its present form as part of a plan known as Project CAMEL.

Administered by the Cal-Tech-NOTS team under the direction of Dr. C. C. Lauritsen and Capt. S. E. Burroughs, USN, the project was concerned with development of the establishment of production techniques and the manufacturing of explosive components for early nuclear bombs of the implosion type. This work represented a uniquely new technical challenge in that it required casting and machining high explosives into specific geometric shapes to a preciseness never before required with high explosives.

These precisely-shaped high explosives would perform the key function in an atomic implosion weapon by instantaneously bringing together under compression a supercritical mass of nuclear material.



**PIPED ABOARD**—Major General R. R. Williams, USA, Deputy Ass't. Chief of Staff for Force Development, Department of the Army, was provided sideboy honors as he traversed the gangway at Hangar One on the occasion of his recent visit to VX-5. The

General was greeted upon his arrival by Capt. C. W. Fritz, Commanding Officer of VX-5, Capt. R. S. Moore, NWC Technical Officer and Cdr. Bert Creighton, VX-5 Exec. General Williams was here to receive an orientation briefing on the squadron.



General Groves

General Groves, three SSQ type houses, half of the commissary, the present barber shop, the material for a 14-inch water line, and telephone cable lines from Inyokern to the base.

General Groves death came just three days prior to the 25th anniversary of the world's first atomic explosion, which was exploded near Alamogordo, N. Mex., on July 16, 1945.

### PW Backlog Due To Corona Move Priorities

In recent weeks, Center residents may have noticed that work orders have taken a bit longer to be completed. According to Capt. K. C. Abplanalp, NWC Public Works Officer, this backlog is due directly to the preparation being made by Public Works for the arrival of the first Technical Codes from Corona.

At the present time, Capt. Abplanalp stated, the shop forces are working on approximately 60 different jobs, many of them involving extensive remodeling of Center buildings in order to provide facilities for the 130 technical personnel from Corona scheduled to arrive here in October. Most of the backlog of service call work involves the fabrication and installation of doors, screens, screen doors, and windows by the Carpenter and Sheet Metal Shops.

In addition, Capt. Abplanalp explained that because of the Command's priorities and the deadlines involved in the sequential Corona moves, this backlog of service call work has occurred. He expressed his regrets that Public Works forces were not able to keep up-to-date on these repairs and stated that as soon as manpower becomes available this backlog of work will be taken care of.

Capt. Abplanalp also wished to thank everyone for the cooperation and patience shown during this period of extensive activity.

### SUNBURN IS NEEDLESS DON'T LET IT HAPPEN TO YOU!



**SHIPS FOR THREE**—PR1 F. W. Muckel, Shop PO for the AMD Fabric Shop, recently reenlisted for three more years, bringing his total service to 15 years. Muckel and his wife Joann have four children: Pamela, 13; Steven, 12; Timothy, 11; Anthony, 8. Muckel reported aboard July 11, 1968 from Carrier Air Wing 121, NAS Norfolk, Virginia.

### Retirement Limit Date Extended To June 30, '71

In order to help minimize the impact of shifts in manpower requirements to meet changes in program emphasis and ceiling allocations for Fiscal Year '71, the time limitation for approval of Discontinued Service Retirement is extended to June 30, 1971, for eligible Center employees.

A number of eligible Center employees have retired under the liberalized procedure of the Discontinued Service Retirement, thereby materially lessening the impact of shifts in manpower requirements. The time limitation of June 30, 1971 applies to eligible employees at Corona as well as China Lake.

The requirements to be met by employees who wish to qualify for Discontinued Service Retirement remain the same. Center employees will be notified of the procedures for requesting Discontinued Service Retirement as they become eligible. Procedures for requesting and processing the requirements also remain the same.

Further information on the provisions of Discontinued Service Retirement may be obtained from Department Personnel Management Advisors.

### Climbing Class

The China Lake Mountain Rescue Group will conduct a class in rock climbing which will begin on Tuesday, July 21, at 6 p.m. The classes will be held at Robber's Roost, located east of Highway 14 and south of Highway 178 each Tuesday for five weeks.

Emphasis will be placed on the basic skills required for rock climbing, including: belaying, rappelling, prussiking, and practice climbing.

Further information is available from Dennis Burge, 446-5359 or NWC Ext. 2869, or Al Green, 446-2491 or NWC Ext. 2771.

### Club Chaparral Initiates New Buffet Lunch

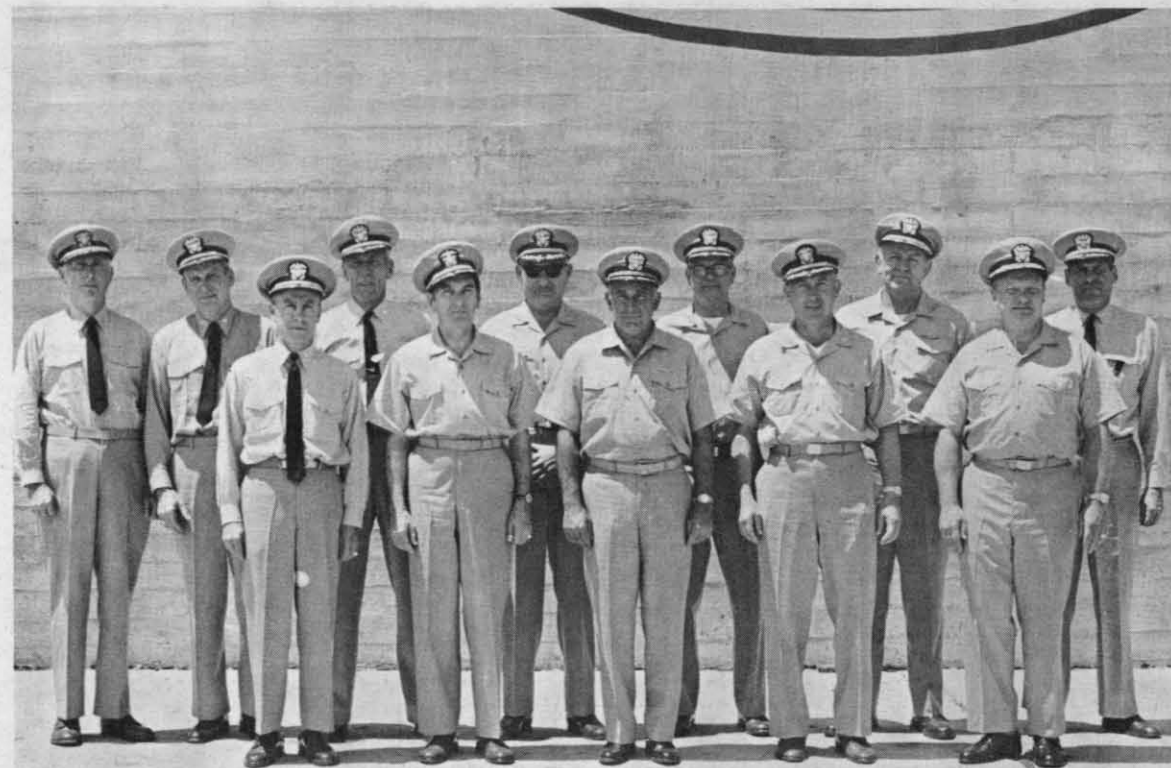
A buffet luncheon, from 11 a.m. to 12:30 p.m., Monday through Friday, has been initiated at the Club Chaparral, according to Hank Walker, manager.

All 1st and 2nd Class Petty Officers, members of their Club, and their bonified guests, are invited to enjoy this new service.



Promotional Opportunities

(Continued from Page 2) File applications for the above with Sue Prasolowicz, Bldg. 34, Rm. 206, ext. 2577. Purchasing Agent, GS-1105-06, Code 2522... Reliability Engineer, GS-801-13, Code 5503... Warehouseman, WG-6507-05, JD No. 33...



VISIT VX-5—Members of the Naval Air Reserve Study Group No. 1 visited China Lake Saturday, July 11, at the invitation of Capt. C. W. Fritz, VX-5 Commanding Officer.

Five Receive Advanced Degrees

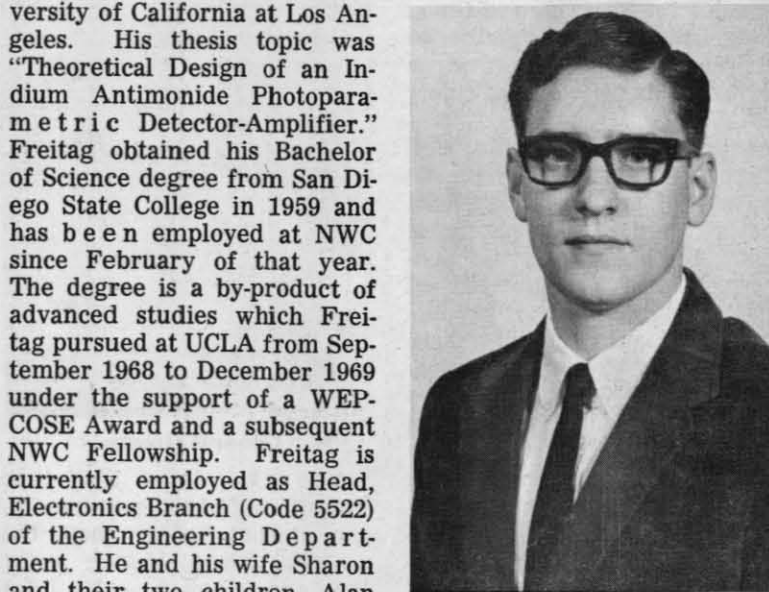
Five NWC employees were awarded advanced degrees following graduation ceremonies in June. The degrees were from Colorado State University, UCLA, Stanford, and the University of California at Redlands. The five employees are:

Truman G. Bergman, an employee of the Guidance Systems Branch, Code 4051, Weapons Development Department, was awarded a PhD in Physics by Colorado State University...

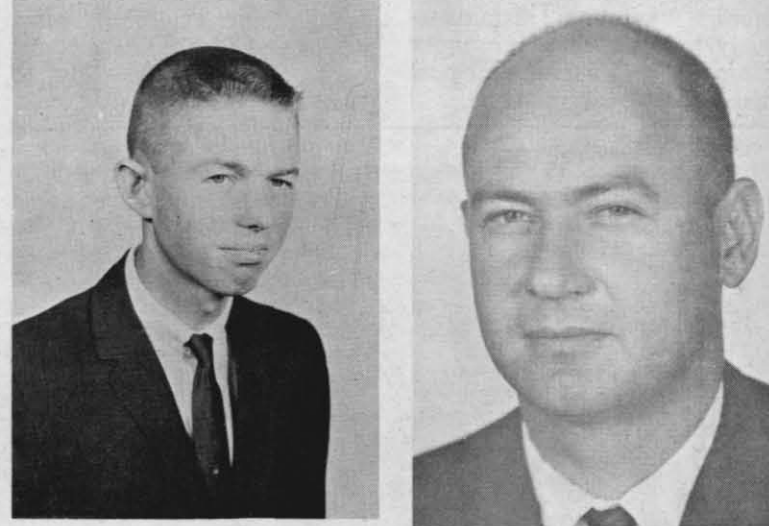
Walter E. Freitag was awarded a Master of Science degree in Engineering from the University of California at Berkeley in 1961 and a Master of Science in Engineering in 1964 through the NOTS/UCLA Graduate Program at China Lake.

Starnes E. Walker, a Civil Engineer, GS-810-9, 11 or 12 (one vacancy), PD No. 7030077, Code 3023...

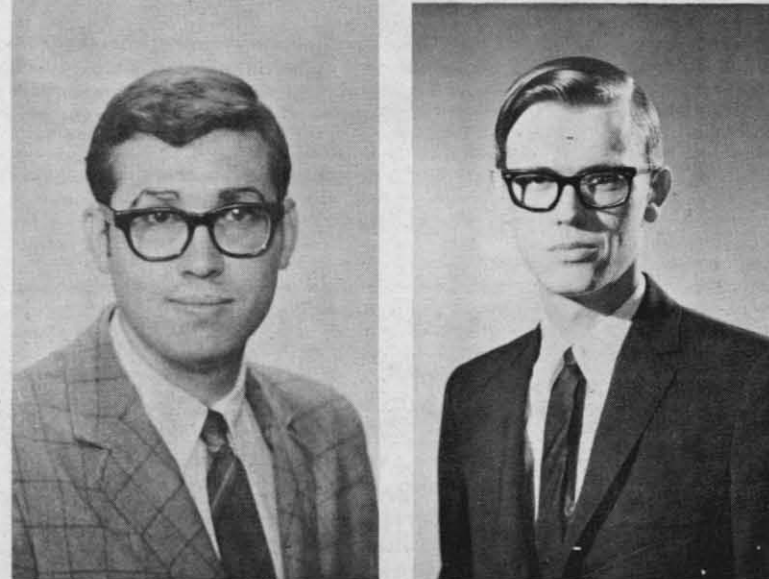
Donald J. Zeleny, a Civil Engineer, GS-810-9, 11 or 12 (one vacancy), PD No. 7030077, Code 3023...



Edward L. Jeter



Truman G. Bergman



Starnes E. Walker



Walter E. Freitag



Donald J. Zeleny

While at VX-5 the officers received a briefing on VX-5 organization and current projects, were taken on a tour of Michelson Lab and were briefed on the mission of NWC.

Unique Packaging Support Offered

(Continued from Page 1) Center Codes for a variety of reasons, such as lack of equipment, lack of skilled instrumentation technicians, no electronic design capability...

of test procedures, weapons specifications and reviewing schematics, block diagrams, system flow charts, and equipment manuals for technical adequacy and accuracy.

Magnetics In addition to the two instrumentation functions of the Section pointed out above, Center design engineers will be especially interested to learn of the Section's capabilities in the field of magnetics.

Section personnel have experience on a wide variety of commercial and military equipment which enables them to quickly develop the expertise necessary to accomplish many different types of jobs, including: the ability to determine instrumentation needed to test and evaluate circuits, subsystems and/or systems...

Computer Design Although transformers and chokes may be constructed to the requestor's specifications, the Section has design capability...

In addition, the Section will also assume the responsibility, when requested, of generating informal or formal documentation on a project...

The Computer Design program has been set up to design the smallest possible transformer with an absolute minimum of input information.

Some of the advantages to the computer design program are greatly reduced cost (an average of less than \$4 per transformer), standardization of materials and methods...

Upon request, other functions performed by the Section include—reviewing magnetic device specifications for technical accuracy and adequacy before release to a vendor...

Larry Mason, Secretary-Treasurer of GEBA-CLMAS has reported that Assessments are waived for the death of Ray Warren Johnston, who passed away July 15, at Escondido, California.

Medical Department Presents Awards



AWARDS CEREMONY — The persons pictured above were recently honored at an awards ceremony held by the NWC Medical Department. The recipients are, front row, l-r: Cdr. E. G. Graves, Head Nursing Service Branch; Marie Wolz, Sharon Smith, Ruth...

Stone, Jeanette Seale, Charlotte Hamm, Margaret Teufel and Capt. G. W. Jauchler, Head, NWC Medical Department. Back row, l-r: Alma Jones, Ora Barnes and Verna Yeland. The awards were presented by Capt. Jauchler, MC, USN.



NEW WARRANT OFFICER—Former FTMC John Gilbert (r) was recently promoted to the rank of W-1 in ceremonies held this week in the office of Capt. J. K. McConeghy, Jr., NWC Executive Officer. The new Warrant Officer made the grade after only ten years as an enlisted man.

Booster Fund Gets \$500 Boost From Flag Seller, 'Cycle Club

The TV Booster Fund Drive was enriched by \$500 on Tuesday, July 14, when Steven McCollough, 13 year old son of Roger McCollough, an employee of Code 5534...

Steven, who is a member of Troop 3, was the instigator of a sale of American Flags to China Lake community residents.

The Boy Scout's donation, and the one by the Sandblasters Motorcycle Club, pushed the present fund drive over the

\$20,000 mark. According to Bob Young, chairman of the drive, if the Bakersfield Channels add their support, and the write-in contributions meet the expected amount, the Committee expects to get all three UHF stations...

Persons missed in the door-to-door canvass, and who wish to donate to the fund drive, are asked to mail their donations to: TV-Fund, P. O. Box 5443, China Lake, or drop the donation off at the fire station on the Center. Or, if they wish, persons could call 2095 or 2402 after 6 p.m., and a fireman will pick the donation up at the contributor's home.

GEBA-CLMAS Waives Payment

Larry Mason, Secretary-Treasurer of GEBA-CLMAS has reported that Assessments are waived for the death of Ray Warren Johnston, who passed away July 15, at Escondido, California.

All members are urged to check their payment cards to assure they are paid up through No. 212. Many members have been on vacation and

failed to check with their collectors. When planning long vacations, be sure to notify your collector. You may pay advance payments to cover assessments that fall due while gone.

Till new employees are welcome to join GEBA-CLMAS. Entrance fee is \$4.50. For further information contact Mason after working hours at 375-2846.

Party Tickets Still On Sale

Those interested in attending the annual summer party for new employees, summer employees, and permanent employees are reminded that there are only two days left to purchase tickets. (The tickets, which cost \$2.50 for all others, are available through department representatives.

For information please call Douglas Turner, extension 5426.)

This event will be held Wednesday, July 22, from 6 p.m. to

midnight on the swimming pool lanai of the Commissioned Officers Mess. Entrance to the party will be from poolside.

Included in the evening's entertainment will be a social hour from 6 p.m. to 7 p.m.; a Bar-B-Q buffet at 7:30 p.m.; swimming and dancing. Once again this year music will be supplied by the popular COMNAVIRPAC band from San Diego.

Everyone is invited to attend this event to meet and welcome the newcomers to the Naval Weapons Center.

As a part of an audit of Naval Weapons Center Federal Credit Union as of June 30, 1970, the Supervisory Committee has distributed statements of account to all members. Persons not in receipt of their statement of account are asked to please communicate directly with J. E. Greve, Chairman, Supervisory Committee, P. O. Box 5523, China Lake, California 93555.