



FRIENDSHIP TEA — Fran Jorgenson prepares to serve Marcia Donnan, Friends of the Maturango Museum president, following serving of Mrs. J. M. Hardy. In background Ellen Lokensgard samples cake. Over 70 attended the "Friendship Tea" hosted by Mrs. John I. Hardy at 1 Enterprise Rd. on St. Valentine's Day. Tea was to acquaint women of the community with Museum activities. Eight new members joined the "Museum Friends."



30-YEAR PUBLIC WORKS MAN—Clarence G. Johnson receives 30-year Federal Service Certificate from Capt. H. J. Hartman, Public Works Officer. Johnson began his Federal career with the Navy in 1935. Discharged in 1939 he went to work for the Pearl Harbor Naval Shipyard and was on duty that fateful day of Sunday, Dec. 7, 1941 when it was attacked. He escaped personal injury. He transferred to NOTS in 1948. He is currently employed as a leadingman.

SHOWBOAT

FRIDAY FEBRUARY 18
"FRACTURED FOLLIES" 8 p.m.
(Live Variety Show) A 100 member cast of local talent will present 24 numbers in a two-hour comedy-variety show. The benefit show is being sponsored by the Pink Ladies.

SATURDAY FEBRUARY 19
—MATINEE—
"ROAD TO HONG KONG" (90 Min.)
Bob Hope and Bing Crosby
1 p.m.
SHORT: "Duck Dr." (7 Min.)
"Gunfighters No. 12" (16 Min.)
—EVENING—
"FRACTURED FOLLIES"
Pink Ladies Hospital Benefit
8 p.m.

SUNDAY FEBRUARY 20
"WHAT A WAY TO GO" (111 Min.)
Shirley Mac Laine, Paul Newman, Robert Mitchum, Dean Martin
7 p.m.
(Comedy in Color) What a way to go (laughing) as Shirley plays a widow with the touch of gold and the kiss of death. Everyone she marries becomes a huge success, but in the end, a corpse. Fabulous production numbers, sexual connotations and a million dollar cast makes this a don't miss, or see it again, film. (Adults Mature youth.)
SHORT: "Haired and Hurried (ROADRUNNER) (7 Min.)"

MONDAY FEBRUARY 21
LITTLE LEAGUE BENEFIT
Rubinoff and his Stradivarius
8 p.m.

TUESDAY-WEDNESDAY FEBRUARY 22-23
"HALLELUJAH TRAIL" (145 Min.)
Burr Lancaster, Lee Remick
7 p.m.

(Western-Comedy in Color) A way-out Western whoop-em-up about 40 wagon loads of whiskey consigned to Denver miners, and Burr has to protect it on the trail from wild Indian raids and a temperance leader, during the craziest storm you'll ever see. You have to see it to believe it! Blues-chaser special! (Adults and youth.)

THURSDAY-FRIDAY FEBRUARY 24-25
"YOU MUST BE JOKING" (100 Min.)
Michael Callan, Lionel Jeffries, Terry-Thomas
7 p.m.

(Comedy) Here's the wackiest 48 hour "initiative Test" ever held. Various branches of the Armed Forces compete in a wild scavenger hunt to find who is the most resourceful and it turns London inside out! Laughs galore! (Adult, youth, children.)
SHORT: "Magoo Saves the Bank" (7 Min.)

Mardi Gras Ball At 'O' Club 25th

Tickets are now on sale at the Officers Club for the gala Mardi Gras Ball to be held on February 25, beginning with the dinner hour.

The festive affair is sponsored by the Women's Auxiliary of the Commissioned Officers Mess (WACOM) Margaret Jones, ball chairman, states although costumes are suggested they are not required.

Dinner will consist of the "Turf and Surf" special, beginning at 7 p.m., followed by dancing to a New Orleans Dixieland Band. The interior of the Club will be decorated in a "Pop Art" theme.

Library Closes For De-bugging

The Station Library will close early on Monday afternoon, February 21, so it can be fumigated that afternoon and be left unused over the holiday Tuesday, Washington's Birthday, announced Maryon Ward, librarian.

The library will close its doors at 3:30 p.m. Monday, and reopen Wednesday at 1 p.m., Feb. 23. The principal beneficiary of the de-bugging operation is the Station's thriving bookworms, a species highly prized by the library.

Rubinoff to Play for Little League

Valley Kiwanians will present the famous variety violinist, "Rubinoff" in a concert Monday evening, Feb. 21, at the Station Theater, for the benefit of the China Lake Little League.

The fast-moving musical "circuit rider," who has made



THE VERSATILE 'RUBINOFF' WITH HIS STRADIVARIUS

his career in bringing a wide-ranging repertoire of selections

from Chopin to square dance to audiences across the country, Rubinoff plans to offer some 12 compositions and medleys on his Stradivarius starting at 8 p.m. at the Theater.

Selections to be included in the Rubinoff program Monday evening, illustrating the Russian-born artist's range of musical interests, are Claude Debussy's "Clair De Lune," Victor Herbert's "Ah, Sweet Mystery of Life," and a pot-pourri of familiar commercial and theme songs called "And Now a Word From Our Sponsor."

Equipment and uniforms for the budding stars of the China Lake Little League is the goal of this special program arranged by the Kiwanis Club. Tickets for adults at \$2 and for students at \$1 are on sale by Little Leaguers and Kiwanians. Further ticket information can be obtained from Frank MacDonald at ext. 72009 or 76671.



NEW MUSEUM OFFICERS—Officers who will guide the '66 activities of the Maturango Museum (l-r) are Royal Gould, vice president; Shirley Schneider, secretary; Ken Miller, president; and Al Gould, treasurer.

STATION LIBRARY LISTS NEW BOOKS

- A complete list of new books is available in the library.
- Fiction**
Gilbert—American Chrome.
Gordon—The Rabbi.
Horan—The Seat of Power.
McCague—The Fortune Road.
Deighton—The Billion Dollar Brain.
Hesse—Demian.
O'Hara—The Lockwood Concern.
Traver—Laughing Whitefish.
- Non-Fiction**
Bauer—Outdoor Photography.
Chess—Your Child Is a Person.
Churchill—The Roosevelts.
Dommen—The Conflict in Laos.
Dulles—Yankees and Samurai.
Lewis—Red Flannel Hash and Shoo-fly Pie.
Waldo—Travel Guide to the Orient and the Pacific.
Acheson—Morning and Noon.
Dubos—Health and Disease.
Jacobs—Practical Publicity.

From _____

TO _____

PLACE STAMP HERE

Banquet to Climax Engineers' Week Here

USC Engineering Dean Slated As Keynote Speaker

Next Wednesday China Lake will join communities across the nation in observance of National Engineers' Week when approximately 100 engineers convene here for a day of activity climaxed by a banquet Wednesday evening in the Executive Dining Room of the Officers Club.

Slated to attend the event are members from Engineering societies from Trona, Bishop Lancaster, Edwards Air Force Base, and Monolith.

USC Dean to Speak
Dr. Alfred C. Ingersoll, Dean, College of Engineering at USC, will make the keynote speech at the banquet which begins at 7:30 p.m.

Vice president of the California Society of Professional Engineers, Dr. Ingersoll will speak on the topic "New Goals of Engineering Education."

Tour of AP&CC
A tour of the American Potash and Chemical Corporation plant at Trona has been arranged for the visiting engineers on Wednesday afternoon from 2:30 to 4:30 p.m.

Following the tour the engineers and their ladies will meet at a social hour from 6:30 to 7:30 p.m. prior to dinner.

The week of George Washington's birthday is traditionally celebrated as Engineers' Week because the first President of the United States was himself a notable civil and military engineer.

NOTS Favorable Climate
"The purpose of Engineers' Week is to bring the role of the engineer to the American people," states J. L. Breault Jr., president of the Desert Empire Chapter of CSPE.

"It has been the creative engineer who has given us the instruments, the vehicles, and rocket fuels to explore space.

"No other community in the nation can provide its youth with a better opportunity to become familiar with the role

(Continued on Page 6)

Vol. XXI, No. 7 Naval Ordnance Test Station, China Lake, California Fri., Feb. 18, 1966

Two Full Pages
On CPO Military Ball
See Pages 4, 5

Redeye, New 'Soldier's Friend' Completes NOTS Development



AIMING HIGH—In probably its last demonstration test at NOTS, the infantryman's own anti-aircraft missile system, Redeye, was examined by Brig. Gen. E. I. Meuller, U.S. Army, Director of Doctrine and Systems Office of the Assistant Chief of Staff for Development. He watched General Dynamics' Don Wohlfert (at right) fire three rounds at G-2 Range Tuesday morning, Feb. 15. Three Q2C prop drones were shattered; the first, at 2500 feet by a warhead, the second, at 400 feet by an unarmored round, and the third at a steep 4500-odd feet by another warhead. —Photo by Jerry Willey, PHAN.

Missile Moves To White Sands Proof Firings

After seven years of study and work at NOTS, the world's smallest known anti-aircraft missile, Redeye, has flown through its complete range of development testing here and will soon go into its proof-firing stage at White Sands Missile Range.

The 28 to 29-pound Redeye missile/launcher package is an Army controlled weapon designed to be fired from the shoulder of the Army or Marine infantryman in forward combat areas. A project of the Army's Redstone Arsenal, Alabama, it has achieved a long series of successful firings against drone versions of many types of manned aircraft during its five years of research and development and engineering analysis at NOTS. Feasibility studies began here in 1958.

General Dynamics of Pomona, Redeye's prime contractor and developer first proposed the weapon, and now has it in production, with small improvements continuing to be added.

"We have fired at least 300 Redeye rounds here at NOTS during development and analysis phases," says Richard E. Boyer of Systems Development Department, and the project (Continued on Page 3)

Carlson Elected Eminent Researcher To Head Navy League Council

A precedent was set by the Indian Wells Valley Council of the Navy League last Tuesday night in the election of Milford C. Carlson as its president.

Carlson is the first former president in the history of the Council to be elected to the post for the second time. He held the post from 1962 to 1963. Carlson will succeed Robert B. Millett.

Other new officers who will assist Carlson in Navy League affairs during his term in office will be W. R. Balcom, first vice president; Harold Sumrall, second vice president; Lt. Cmdr. Lewis B. Shults, USN (Ret.), secretary; and Leo R. Simonton, treasurer.

Simonton was elected to his fourth consecutive year as the Council's treasurer. The new officers will be installed sometime in April.



DR. W. O. MILLIGAN ... director of research

Eminent Researcher To Lecture Here Feb. 28

Dr. W. O. Milligan, Director of Research for the Robert A. Welch Foundation at Houston, Tex., will present a lecture in the Executive Dining Room of the Officers Club on Monday, Feb. 28, at 8 p.m.

In addition to his director's duties, Dr. Milligan is Research Professor of Chemistry at Baylor University.

Dr. Milligan will lecture on "Electronmicroscopic Studies on Finely-Divided Gels."

His principal research interests are X-ray, and electron diffraction, electron microscopy, absorption of gases on solids, magnetic susceptibility, oxides, hydroxides, and general catalysis studies.

He has published 119 papers on these subjects.

Dr. Milligan is on a west coast lecture tour to colleges and universities and as a (Continued on Page 6)

CROSSWORD PUZZLE Answer to Previous Puzzle

ACROSS

- Cut closely
- Endures
- More consecrated
- Servile
- Near
- Ingredient
- Negative
- Arbiter
- Canonized person
- Number
- Cloth measure (pl.)
- Conducted
- Simians
- Ceremonial
- Hurried
- Emerges victorious
- District in Germany
- Communists
- Helix
- Withered
- Hawaiian wreath
- The sweetsop
- Possesses
- Floats in air
- Supervisory ending
- Cyprinoid fish
- Totes
- Compass point
- Distant
- Sesaw
- Wear away
- Smooth the feathers

DOWN

- Portion
- Hostilities
- Man's nickname
- Content
- Lampreys
- Period of fasting
- Emmet
- Spanish for "yes"

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CHAPLAIN'S MESSAGE

'Thank You, Padre Kane'

By ROBERT W. ODELL, Senior Chaplain



"Prayer is the soul's sincere desire, Uttered or unexpressed, The motion of a hidden fire That trembles in the breast!"

I cannot let Chaplain Kane depart this Station without a personal word in print. Two youths in the Korean War were devoted pals and friends. After a bitter battle of troops one day, one of the men found that his pal was missing and knew that he was somewhere out there in No-Man's Land.

He asked for permission to go out after his friend but the CO said it was of no use for no one was alive out there after the withering fire of many hours. After great insistence, he was finally given permission to go.

Sometime later he came back with the limp body of his friend over his shoulder. The CO said, "Didn't I tell you it was no use to go?" To which the youth replied with radiance in his eyes, "But it was. I just got there in time to hear him whisper 'I knew you'd come!'"

Chaplain Kane is going where he will hear those whispers "Padre, I knew you'd come." God asks us to give our best and send our best into the conflicts of life.

A farmer was walking over his farm with a friend, exhibiting his crops, herds of cattle, and flocks of sheep. His friend was greatly impressed and highly pleased, especially with the splendid sheep. He had seen the same breed frequently before, but never had seen such fine specimens. With great earnestness he asked how he has succeeded in rearing his flocks. The simple answer was "I take care of my lambs."

Our service personnel overseas, on ship-board and everywhere are a part of our lambs. RAdm. J. F. Jelley once wrote in an article printed in the Scholastic Teacher entitled "Our Ship of State Is the Flagship of the Free World." Each of us, I think, is a crew member in our ship of state under the Colors of God.

Thank you, Chaplain Kane, for being a part of the body of God's faith here and as you go, we dare to go with you in prayer, in love and in duty for God and Country!



SAY FAREWELLS—Children of the Catholic Congregation say goodbyes to Chaplain E. F. Kane who goes to Field Service Medical School, Camp Pendleton, then overseas.

The Rocketeer

Official Weekly Publication of the U. S. Naval Ordnance Test Station China Lake, California

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DEADLINES: News Stories—Tuesday, 4:30 p.m. Photographs—Tuesday, 11:30 a.m.

The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NavExast P-35, revised July 1958. Office at 50 King St., Bldg. 00929. Phones—71354, 71655, 72082.



DIVINE SERVICES

Christian Science (Chapel Annex)—Morning Service—11 a.m. Sunday School—9:30 a.m.

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

Roman Catholic (All Faith Chapel)—Holy Mass—7, 9:30 a.m., and 12:30 p.m. Sunday, 8 a.m., Monday through Friday; 8:30 a.m., Saturday.

Confessions—8 to 8:25 a.m., 6 to 8:30 p.m., Saturday, Thursday before First Friday, 4 to 5:30 p.m.

NOTS 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 No. 95, 85 King Ave.).

Fellowship Meeting—Sundays, 7:30 p.m. Sunday School—10:45-11:45 a.m. (Chapel Annexes Nos. 1 and 2.)

PROMOTIONAL OPPORTUNITIES

Present Station employees are encouraged to apply for the positions listed below: Applications should be accompanied by an up-to-date Form 58. The fact that positions are advertised here does not preclude the use of other means to fill these vacancies.

General or Mechanical Engineer GS-7, 9 or 11 (three vacancies). Code 4561—Incumbent will be head project engineer on a missile development program team. As team member, he will attend planning sessions, contractor reviews, etc. His duties as project engineer will require establishment of liaison with other agencies and direction of local development efforts which consist primarily of design, test and evaluation.

Requirements: Degree in engineering. Applicants for the GS-11 level should have a minimum of one year's experience in program management.

File applications for above with Evelyn Moore, Bldg. 34, Rm. 26, Ph. 71648.

Policeman, GS-5, Code 843—Incumbent will provide a full range of police services and functions and perform a wide variety of complex police duties. Involves patrol duties, preliminary investigations, arrest and subsequent court appearances and report writing.

Qualifications: One year general law enforcement experience plus two years experience in active police work which included all duties as described above.

File applications for above with Sherry Scheer, Bldg. 34, Rm. 26, Ph. 71577.

Supervisory General Engineer, GS-14, Code 3042—Position as Branch Head, Surface Weapon Control Systems Branch, Code 3042. Serves as the program manager for exploratory development work in surface weapon control systems. Performs technical supervisory and systems engineering work. Typical systems combine radars, digital and analog computers, missiles, and missile launchers. Coordinates the diversified efforts supporting this program within the Systems Development Department, by other Station groups, contractors, and Naval laboratories. Considerable liaison is performed with BuWeps.

Requirements: Must have a degree in engineering with four years of progressively responsible engineering experience. At least one year must be specialized in the weapons control area, or equivalent level or difficulty. Consideration will be given only those applicants currently at the GS-14 level.

General Engineer, GS-9, GS-11 or GS-12, Code 3021—Incumbent is a Range Engineer in the Systems Development Department's G-2, K-2, K-3, CT-4, Victor or Randsburg Wash Ground Range test areas. He is responsible for the design, coordination and conduct of test programs in his assigned area. He develops and monitors operational procedures to insure the safe and efficient conduct of each test. Safety and security of all personnel and equipment on the test range areas is a prime responsibility of his task.

File applications for above with Joan Lines, Bldg. 34, Rm. 34, Ph. 71514.

COMPETITIVE EXAM.

A competitive examination is announced by the Board of Examiners for Scientists and Engineers, 1030 East Green Street, Pasadena for Electronic Technician (Development), Ann. No. SF-14(16). The register established as a result of this examination will be used to fill vacancies as they occur at the various Naval Laboratories in California. File Card Form 5000 AB with the above Board. Your Zip Code must be included in your address.

OVERSEAS INFO

Information on overseas vacancies available at the receptionist counter of the Personnel Bldg.

Community Problems To Be Discussed At ASPA Luncheon Meet

At their luncheon meeting in the Executive Dining Room next Monday members of the American Society for Public Administration will hear community problems discussed from a comparative viewpoint by Victor Jones, professor of Political Science at the University of California at Berkeley. Prof. Jones will compare and contrast problems that face certain communities and some of the means of solution that are being pursued.

Aetna Agent To Be At Community Center Thursday and Friday

Howard Keenan, Aetna representative, will be at the Community Center next Thursday from 9 a.m. to 4:30 p.m. and Friday from 9 a.m. to 3 p.m. Members of the Aetna Federal Employees Benefits Program may consult with Keenan on either day.

'DESERT PHILOSOPHER'

The Blind Are Told of Desert

By "POP" LOFINCK



I was invited recently to talk about the desert to the blind at the Kern County Braille Center at the Veterans' Memorial Hall in Bakersfield.

I enjoy talking to good listeners—and they were. About 65 people were present, many of whom had never been in the desert.

The Braille Center is a non-profit organization devoted to teaching and helping the blind. It was organized 15 years ago and gains its support from contributions from service, fraternal, and professional organizations and clubs, plus donations from individuals.

The Center is staffed by 25 volunteer teachers, 15 volunteer drivers, and one paid director, a Mrs. Halliday Holmes.

In this age of selfishness, it is heart warming to meet people who donate their time and effort to help others, and with such dedicated efficiency. The Center merits a bravo salute!

Among the handicrafts offered are basket and cloth weaving, knitting, leather work, mosaics and ceramics. And believe it or not, bowling and ballroom dancing are two of the most popular classes!

From 60 to 65 blind utilize the facilities of the Center.

COYOTES AND WOLVES

One of the first things I told the group about was coyotes and wolves.

Coyotes and wolves are closely related. In modern slang, a philandering husband is referred to as a wolf, but it so happens that the wolf is one of the few animals that stay mated for life. I've heard that coyotes do, too. To call a philandering husband a wolf is an insult to the wolf.

Coyotes like to sing at the moon with a long weird high-pitched wail — that is sort of spine tingling to the unfamiliar — but real music after your ears and emotions get adjusted to desert solitude and camp fires. They sound so lonely but I guess they're happy.

They have a sort of two-tone voice — an overtone or undertone that makes one coyote sound like two or three, and when three or four form a chorus, it sounds like a big pack.

Maybe they're moonkissed — that's lunabusa in Spanish, from this derivative comes the word lunatic.

They give out with a yip-yip-yip when chasing a rabbit. They can also bark like a dog on occasion.

During the 15 years I was Security Patrol in the boonocks, some of the coyotes got quite friendly. They got so they knew my Jeep and the sound of my voice.

During the day I would sometimes shoot a jackrabbit or two and leave it near my cabin so my friends would have an easy meal during the night.

They got so accustomed to this—if I didn't leave something for a few nights they would bark their complaint. And when I opened the cabin door in the morning — there might be two or three coyotes standing in the yard waiting for a handout. I talked to them all the time. I couldn't get closer than about 10 feet — but they were not afraid of me — just stood around expectant.

One day I was driving down the road with a passenger, a coyote was on the road ahead, so I slowed down as I passed, talking to it all the while. It just stood there expecting a handout.

My passenger said, "If anybody told me about this, I wouldn't believe it. I can't hardly believe it now after seeing it."

BALANCE OF NATURE

Man, sometimes stupidly, upsets the balance of nature. For example: There was a bounty on coyotes because they ate a chicken or lamb now and then. So then the jackrabbit population increased to the extent that they ate a million tons of alfalfa, more or less, without the coyotes to keep the balance of rabbits.

So now in some areas if you shoot a coyote, a rancher might shoot you. They wish there were more coyotes. They would rather lose a few chickens than all that valuable alfalfa. In the balance of nature there is compensation if man doesn't stupidly upset the balance.

ROAD RUNNERS

I told the audience what a comical bird the chaparral cock or roadrunner is. They will race your car for the fun of it. They can fly but prefer to run. They run after lizards to feed on. Their mission in life is to kill rattlesnakes. There again is balance of nature. If it were not for roadrunners there would be too many rattlesnakes.

The audience was very cooperative — kept asking intelligent questions — such as "how does the roadrunner kill a rattlesnake?"

Well, they dance around in front of the snake, just out of striking distance. The snake keeps striking until it's pooped out and then the bird jumps on the snake's neck and pecks its head in. The top of a rattlesnake's skull is very thin. The roadrunner knows that.

I talked overtime. I couldn't walk out while the audience was still asking intelligent questions. They were good listeners. I had a ball! I hope they ask me back again.

Novel Flag Golf Tourney Slated On February 22

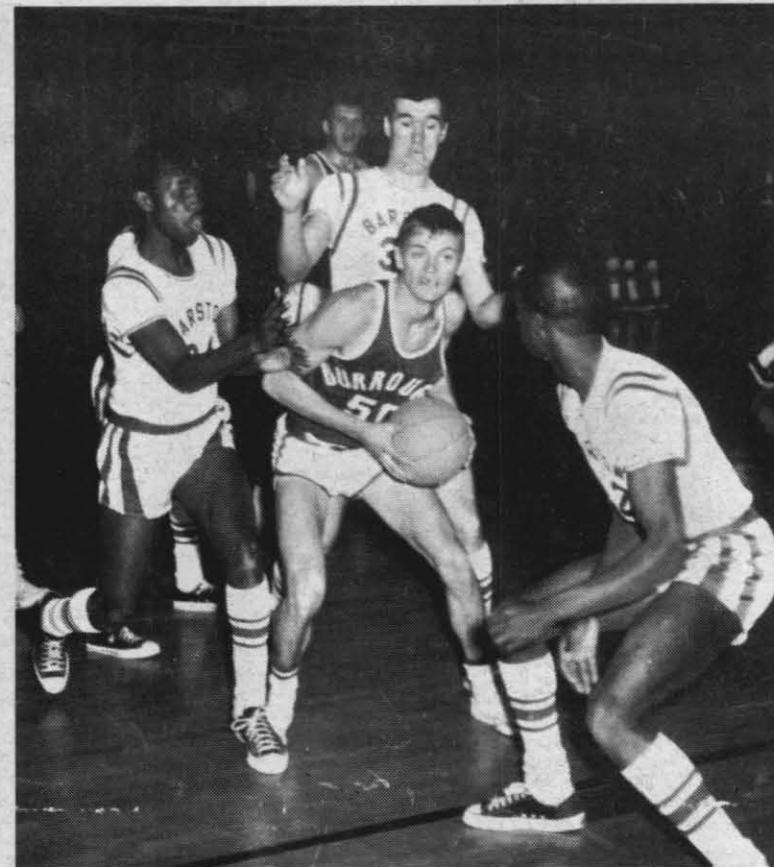
Flags on the Washington's Birthday holiday promise fun and color on the local links according to China Lake Golf Club Tournament Chairman Earl Roby.

Entries may be accepted right up to tee-off time for this event. Fee will be \$2 per player.

Each player will be given a flag with his name on it at the start of the 18-hole match. When the player's total number of strokes reaches his handicap plus 72, he'll plant his flag.

Winner will be the player whose banner is closest to the cup on the highest hole.

Chairman Roby predicts that the holiday match will provide a lot of keen competition among local golfers.



TRAPPED BY BARSTOW—Gordy Irvin is trapped under the basket by three Barstow players. He was tied with Ted Sprouse for high point man, both had 16 points.

—Photos by Mike Taylor

Professionals, Interns Gather

New professional employees and management interns at NOTS have been invited to attend a dinner party at the Commissioned Officers Mess Wednesday evening, February 23, announced Lester G. Garman, chairman of the China Lake Professional Recruitment Panel.

H. R. Roglin, chairman of its welcoming committee, and members, will be the hosts for the informal get-together, to begin at 7:30, following refreshments at 6:30.

Ken Robinson of the Technical Information Department and Director of the Maturango Museum will talk to the professionals and management interns on the romantic heritage of the Mojave Desert, with use of slides.



WHAT HANDICAPS?—During therapeutic swimming classes held in the Station Gymnasium each Wednesday afternoon from 3-4 p.m., these handicapped Valley children, seven of the eight now enrolled, seem anything but limited in their physical abilities. Under guidance of instructors (l-r) Joan Leipnik, assistant, and Fern Wacker, program director, the children have shown benefit and some have shown measurable improvement.

Barstow Nips Burros, Quartz Hill Falls, 72-49

Barstow High School eked out a one-point win as they beat the Burros Friday night, 70 to 69, at the BHS gym. With two and one-half minutes to play, the Burros put on a drive which until the final whistle blew.

The deafening roar of the Burros fans made it necessary for Barstow to call several time outs to get reorganized, as the Burros pulled to within one point of the lead.

Burros got off to a poor start and were trailing by six points at the end of the first quarter, 11 to 17, and down seven, 30 to 37 at the half.

BHS started a come back early in the third quarter as they tied Barstow, but then lost ground as the quarter ended with the score 47 to 51 in favor of Barstow.

Off to a slow start in the opening of the fourth quarter, Burros made a great come back in the closing minutes to get within one point of victory, 69 to 70.

Burros Beat Quartz Hill Saturday night the Burros swept to a 72 to 49 victory over Quartz Hill High School in a game played at Lancaster.

The BHS scoring was spearheaded by Gordy Irvin with 17 points while Ted Sprouse collected 16 and Steve Metcalf 13.

BOWLING NEWS

By Dick Stine Phone FR 5-5411

PREMIER LEAGUE

The team members of the Desert Playhouse led by Earl Roby's 212-198-247 games for a 648 series recorded a 973 game while the members of Town and Country rolled a 909-950-880 games for high series of 2739. Alex Ribault bowled a beautiful 248 game and a 608 series while Andy Bodner rolled a 620 series and Jim Peck recorded a 605 series.

MIDWAY LEAGUE

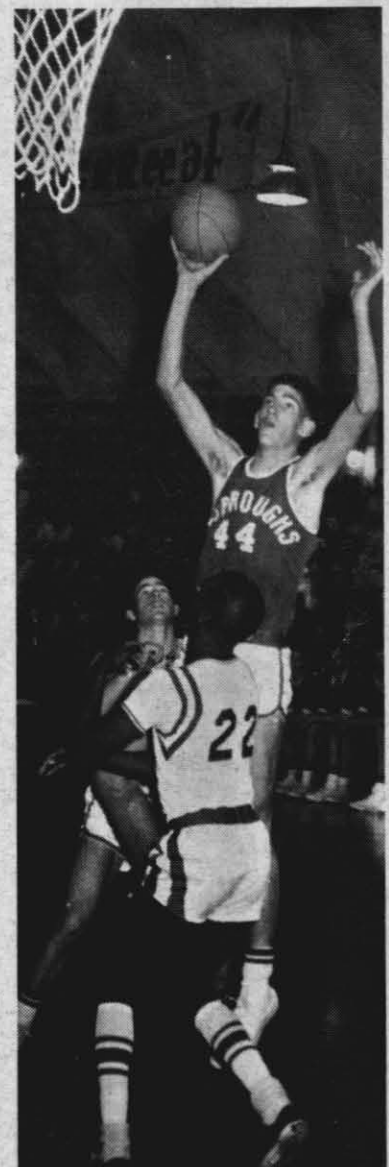
The team members of the Chillers rolled a 916 game as the members of Nolos recorded a 2615 series. Edward Luet-schwager was the hot shooter for the night as he rolled a 263 game which will give him a century patch and he also recorded a 588 series. Nolos lead by 2 1/2 games over the Chillers with the Playboys just three games behind.

Pinney Makes Offer To Explain Impending Federal Schl. Fund Cut

Grant Pinney, acting superintendent of the China Lake Elementary School District, announced this week that he would accept offers to speak to service clubs, fraternal organizations, community and parent groups to outline the District's possible loss of from 10 to 15 percent of its Federal funding for the current year.

"This should be a paramount concern to citizens and parents of the community," Pinney emphasized, "We forsee nearly a 50 percent cut in funds for the 1967 school year."

Groups or organizations which wish to set up a speaking date with superintendent Pinney may call FR 8-4641.



HIGH RISE — Mark Brock, Burros' 6 foot 8 center, shoots for two big points. He scored 15 points during Barstow game.

Optimists Hold Charter Dinner Tomorrow Eve

The first charter of the new Optimists Club of Ridgecrest-China Lake will be presented to its first formal leadership of four officers and six directors at an inaugural dinner at the Hideaway Restaurant tomorrow evening, announced president Ted B. Edwards.

He said the Club's charter is to be presented to the 37 member group by Henry A. Flowers of Burbank, current governor of Optimist International's Pacific Southwest District. Past governor Smith C. Miner of Ontario is slated as the keynote speaker.

Officers and directors to be installed are Ted Edwards, president; George Clark and Roy Sterling, vice-presidents; Larry Fox, secretary-treasurer; and directors Earl Fike, Gary Fox, Monty Pryor, Chet St. Clair, Don Sweeney and Cecil Dale.

Valley leaders present at the dinner to welcome the new organization will be Capt. Paul W. Jeffrey, NOTS Director of Supply; Ridgecrest Mayor Mathias Hugo, Jr.; Edwin S. Hays, plant manager of the Stauffer Chemical Co. in West-end; and Don Yockey, Editor of the Valley Independent.

NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638



PUBLIC WORKS OFFICE AWARDEES—LCdr. W. G. Walston, OinC, San Clemente Island, (l) and LCdr. T. L. Loney, Assistant Public Works Officer, Pasadena, (r) attend SCI ceremonies recently to present awards to (l-r from LCdr. Walston): Luke Osborn, leadingman in the Transportation Branch; Mike Holecek, Leadingman in the Rigging Section; and Charles Triplett, Leadingman in the Utilities Branch; all of whom received Safety Certificates. Triplett also received a pin for supervision of one year without a lost-time accident. Bill Fry, Electrician, received a NOTS five-year pin. Fred Thompson, Truck Driver Heavy; and Leonard Earls, Planner and Estimator, were rewarded with lapel pins denoting twenty years of federal service.

USC Engineering Dean Slated As Keynote Speaker

(Continued from Page 1)

of the engineer than NOTS," Breault emphasized.

"We are grateful for the opportunity to be able to observe National Engineers' Week at such an installation," he concluded.

25 Registered Engineers

Eli Zeitlin, vice president of the Desert Chapter, pointed out that although engineers in Federal Service are not required to be registered that the Station has 25 who are registered engineers.

Sponsors

Co-sponsors of the local Engineers' Week are the Desert Empire Chapter of the California Society of Professional Engineers, the American Society of Civil Engineers, the Institute of Electrical and Electronic Engineers, the American Institute of Aeronautics, the American Ordnance Society, the American Institute of Chemical Engineers, and the American Institute of Mining and Metallurgical Engineers.

Research Director To Lecture Here

(Continued from Page 1)

Director of the American Chemical Society he will visit some of the Society's Sections while he is on the west coast.

The Mojave Desert Section of ACS and the local chapter of the Research Society of America are co-sponsoring Dr. Milligan's visit.

Reservations may be made with the following Jerry Whitnack, Ext. 71747, Peggy Flanagan, Ext. 72826, Bill Norris, 71749, or Bob Stirton, Ext. 72743.

Navy Prepares To Start Museum Work

Robert H. B. Baldwin, Under Secretary of the Navy, thanks all ships, organizations and individuals who contributed to the fund drive to establish an Army-Navy Museum, at Independence National Historical Park in Philadelphia, Pennsylvania.

Three Earn Master's Degrees

Congratulations are extended to three NOTS Pasadena employees who have recently earned their Master's Degrees: Newell O. Booth, Jeffrey R. Olmstead, and Howard V. L. Patrick.

Newell O. Booth

A native Californian, Newell came to NOTS on the Junior Professional Program in 1963 with a B. A. degree in Physics from the University of California at Berkeley. He has been with the Detection and Classification Section, UOD.

In September, 1964, he entered U.C.L.A. on a BuWeps Fellowship and recently completed the requirements for his M.S. degree in Physics through the stations Graduate Academic Program (GAP).

Newell is presently on leave from NOTS to work on his Doctorate. For the spring semester he holds a Teaching Assistantship at U.C.L.A.

Jeffrey R. Olmstead

Jeff has received his M.S. degree in Physics at U.C.L.A. through the station's Graduate Academic Program.

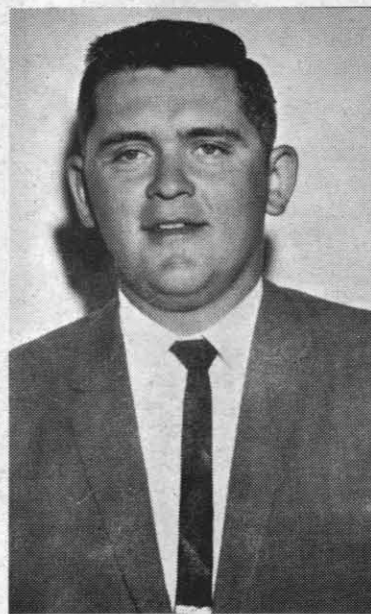
Hailing from Walla Walla, Washington, he came to NOTS in 1963 with the Junior Professional Program with a B.S. degree from the University of Washington, Seattle.

Jeff is a Physicist in the Mis-

Operations Division, UOD.

Howard V. L. Patrick

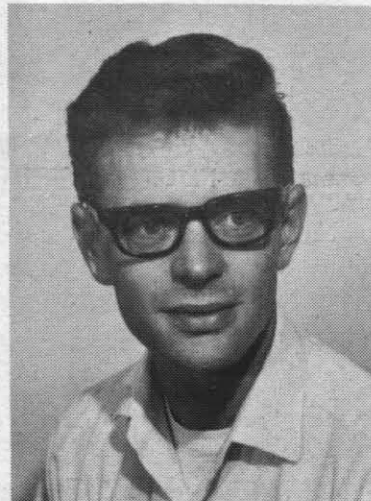
Howard, a Mechanical Engineer in the Propulsion Division joined NOTS on the JP Program in 1960 with a



NEWELL O. BOOTH

B. S. Degree from the California State College at Los Angeles.

His Master's Degree in Mechanical Engineering was recently earned at the University of Southern California through the Station's GAP and Tuition Refund Programs.



JEFFREY R. OLMSTEAD



HOWARD V. L. PATRICK

POLE REACHED 1912

Captain Robert F. Scott and four men reached the South Pole Jan. 17, 1912. None of Scott's team survived the trip

1,400 PERIODICALS

There are over 1,400 base and command newspapers and magazines published by or for the armed forces.



RECEIVING CONGRATULATIONS from Capt. G. H. Lowe, OinC, is Lawrence H. Perry, recent recipient of a lapel pin denoting 20 years federal service. Standing by to add his congratulations is LCdr. T. L. Loney, Assistant Public Works Officer at Pasadena. Perry, a Public Works Inspector is the government representative for construction contracts. With NOTS for 17 years, he was in the General Tire and Rubber Company conversion to civil service in July, 1948. Active in the Elks organization, Perry and his wife, Letha, reside in Monrovia.

MEET Your Councilman

This is the tenth in a series offered by the Rocketeer to better acquaint residents with China Lake Community Council precinct representatives.



DAVID H. CHAPMAN

David H. Chapman has been an architect of NOTS and an active member of the China Lake Community for the last five years, the latest three of them as a member of the Community Council.

Chapman works with the Structural and Architectural Branch of Public Works, and fills his spare time with extra projects such as landscape gardening, mosaic tile work and advocacy of improved architecture and appearance of the Station.

He serves on the Advisory Group of the Commissioned Officers Mess, the Park Commission and the Building Committee of St. Michael's Episcopal Church in Ridgecrest.

On the Community Council he heads the Recreation Committee and serves on the Election, Nominating and Community Improvement Committees.

Chapman's overflowing interest in his community's structure and appearance comes from his Bachelor of Architecture work at Texas Technological College in his home state. His wife Mimi, a native of Washington, D.C., shares his interests in the community.

A believer in all-community participation in its affairs, Dave Chapman points out that "The elected members to the Council need the support, comments and criticism of the residents in order to better represent them."

United Fund to Meet Thursday

The annual meeting of the Indian Wells Valley United Fund will be held in Room 13, James Monroe School, on Thursday, February 24, at 7:30 p.m., announced Robert Forrester, Fund president.

At this meeting new members of the United Fund Board of Directors will be selected and new Board Officers elected. The public is especially invited, and representatives from member agencies are urged to attend.

NAACP Told of Equal Employment Opportunity

Members of the Indian Wells Valley Chapter of the National Association for the Advancement of Colored People were brought up to date on the Navy's and the Station's Equal Employment Program by a four-member panel of Station officials at a public meeting held last week in Ridgecrest.

Panel members Capt. Leon Grabowsky, Station Executive Officer; Ray Harrison, Personnel Department Head; Harold Metcalf, Equal Employment Opportunity Advisory Committee Chairman; and Joe Doucette, Personnel Department's Employment Division Head, briefed the NAACP audience on their specific roles in the program.

Capt. Grabowsky outlined basics of the Equal Employment Opportunity Policy issued under Executive Order 10925 on March 6, 1962.

It was based on the American tradition that individual rights and freedom are a part of our birthright as American citizens, he noted.

"... it is the plain and positive obligation of the United States Government to promote and ensure equal opportunity for all qualified persons, without regard to race, color, creed or national origin, employed or seeking employment with the Federal Government," the order states.

The Navy implemented the policy in on June 8, 1962, he added. It has been the policy of the Navy since its implementation to give non-preferential treatment, as well as to promote equal opportunity, he observed.

He then urged his audience to familiarize themselves with SecNav Instruction 5350.6, the subject of which is the Navy Manual on Equal Opportunity.

"It is about a 15-page manual and is the Bible in this area," he said. "It is the basis for all NOTS' Instructions on the subject and covers every aspect of equal opportunity," Capt. Grabowsky added.

"One of the most important aspects of the Equal Opportunity Program," Capt. Grabowsky continued, "is the requirement for the Station Commander to process individual complaints of racial discrimination that are filed."

"Harold Metcalf, who heads the Station's Equal Employment Opportunity Advisory Committee, will tell you of this phase."

Metcalf pointed out that the purpose of the committee is to represent the command to individuals and minority groups, and to foster better understanding and effective compliance with policies.

He re-emphasized the point that the Station Commander reviews racial discrimination complaints which are filed. He is designated as the Deputy Employment Officer. He is responsible for the Station-wide administration of the program.

"We are not policemen," Metcalf asserted, "we try to advise on complaints in informal discussions. However complaints may always be filed through formal channels."

Of the four discrimination complaints handled to date, Metcalf noted that in none of the four was discrimination found.

Ray Harrison, Personnel De-

partment Head, forecast little change in Station employment. He did foresee an increase in scientists and engineers and a decrease in the trades area.

These changes are dictated by revisions in the type of work that the Station is doing, Harrison noted.

Joe Doucette, Employment Division Head, pointed out that in 1965 over half of the 18,240 blue collar workers employed by the government were negroes.

He noted that the Station had a 75 to 100 hundred billets for summer employment of college professors with special skills, undergraduate scientists and engineers, and students who are working on advanced degrees.

Redeye Combines Complexity With Firing Simplicity

(Continued from Page 1)

engineer. "Recently the system has been performing very effectively against a variety of targets including jets, which is pretty good I think," he adds, "considering that Redeye is a fairly complicated little weapon in spite of its simple handling."

Simplicity and sophistication were blended into the Redeye concept, in fact, to make maximum use of the infantryman as an integral part of the system. Redeye would be carried into the combat zone in a three-weapon carrying case, as presently designed, with each missile, in turn, packed in the launcher itself with each end sealed by a cap. In combat, the launcher, made of fiberglass, would be discarded after each firing.

The missile itself has two propellant stages; the first burning for only 60 milliseconds to push it out of the launcher for an approximately 20-foot coasting phase, and the second driving the missile to its target. The operator is protected from any nozzle blast because the launch propellant is completely consumed within the launcher.

Six fixed guidance fins extend themselves from slots in the missile body after exit from the launcher — four at the tail and two toward the nose. Two additional forward fins provide guidance control by rotating on their own axes. An infrared seeker in the nose guides Redeye to the heat source of its target.

In engineering evaluation testing of Redeye by NOTS since 1964, targets have included KD2R-4 and 5 propeller-driven drones, high-speed Q2C and F-9 jet drones, and H-13 helicopters supplied by the Army and converted to drones. Some missiles have been equipped with warheads; in others seven-channel FM telemetry examined such elements as fuse functions and wing action.

The Army, to share use of Redeye with the Marine Corps, claims that it can be fired by an infantryman with only a



MAN OF MEDICINE RETIRES—CWO Rowe F. Christopher (r) is congratulated on his 30 years, two months of Navy career by Capt. John I. Hardy, ComNOTS. Christopher retired from the Navy Feb. 1, but will stay in the field of medicine, as he takes up his new duties as administrative director with Syntex, a drug manufacturing firm in Palo Alto. He came to the Station Hospital in Jan., 1960, where he was administrative officer. Rowe and Ann Christopher will leave China Lake in June, on the three-year graduation from BHS of their daughter Doris, who hopes to attend San Jose State College. Richard, 19, is a sophomore at Bakersfield Jr. College, and Thomas, 6, is in grade school.



AFTER HIT BY REDEYE—Remains of drone H-3 helicopter, hit by Redeye missile. Other drones used in development and evaluation included Q2C and F-9 jets, KD2R prop drones and, in early phases, thermal devices on tethered balloons.

small amount of training with the weapon.

The operator would first remove the protective caps from the sight and the forward end of the tube. When the gunner detects a target, he would release the safety, rotate the warmup lever, shoulder the weapon, locate the target in the scope sight and begin tracking.

When the missile detects the target, the gunner receives both an audible and visual signal from the launcher. He then presses the gyro uncaging trigger, allowing the missile to track the target, then presses the firing trigger.

An example of the Redeye's

complexities, perfected during the development and evaluation program, is the cycle started by the warmup lever. Rotating the lever activates the launcher battery, previously inserted by the gunner. The battery gives an electrical impulse to explode a squib to the gas bottle valve, opening the valve to release coolant fluid to the infrared seeker device. This keeps it sensitive to very small heat sources in targets. The cycle involves a delay of six tenths of a second.

"I'm very pleased with Redeye's progress," says Dick Boyer. "Within its performance limitations, it's a very good weapon."

AstroNOTS Clutch At Lead

By Ray Hanson

The NOTS Wednesday night bowling league rolled on its fratricidal way into the 21st week, with the AstroNOTS clutching at a crumbly four-game lead (52 wins, 28 losses). The Sphinks and the Quiet Five, meanwhile, were tied for second place (48-32) and just dying for a chance to bring off a coup. The Black Cats were third (45.5-34.4). Fourth place was also a tie, with the NOTS-ings and the Hunees standing

at 45-35. Don't even bother trying to cover the first six teams with a blanket—an ordinary table napkin will do!

High scores for the 20th week are as follows: team series, Jacks and Better, 2971; team game, Quiet Five, 1077; men's series, Ralph Houser, 673; men's game, Roy Kartzmark, 250; women's series, Pat Sandoval and Pris Springer, 603 (tie); women's game, Betty Silver, 230.



ONE SCORE AGO Mervin E. Coleson, Inspector (Mechanical), now with Quality Engineering Division's Source Inspection Branch, entered federal service. The place was NOP, Forest Park, Illinois. Six years there, followed by 14 years at NOTS, marked the occasion for ceremonies at Pasadena recently at which time Coleson received a lapel pin representing 20 years of federal service. Shown reminiscing at the ceremonies are Coleson and Capt. G. H. Lowe, OinC, Pasadena. Also attending the event were J. L. Cox, Head, Engineering Department, and many officials of the Division and Branch.

CPO 11th Annual Military Ball Highlights



SENIOR GUEST OF HONOR—Station Commander Capt. John I. Hardy and Mrs. Hardy are greeted on their arrival at the Chief Petty Officers Club's 11th Annual Military Ball by their hosts, Chief and Mrs. Lewellyn D. Burton. At right Capt. and Mrs. Hardy open last Saturday evening's festivities dancing to Jimmie Whetmore's band.

—Photos by DENNIS SMITH, PH3 and JERRY WILLEY, PHAN



BALLROOM SMOOTHIES—A portion of the over 250 present dance to the music of Jimmie Whetmore's band.



ACTIVE DUTY CHIEFS—Assembled for special tribute are most of the Station's active duty chiefs.



FOOD, FOOD, FOOD, MMMMH!—Mrs. C. B. Hardin surveys abundance of food while Chief Joseph A. Jordan, club manager, watches to have table replenished.



CUISINE MASTERS—Chief Earl A. Tanguay, Russell F. Irwin, Gladys Cornelius, and Chief Joe L. Chavez gave ball attendees a feast they will long remember.



MASTER OF CEREMONIES — Chief Carl W. Spragle, ball chairman, doubling as MC, introduces honored guests.



PADRE ARRIVES—Chaplain and Mrs. Robert W. Odell are greeted by their hosts Chief and Mrs. Clarence J. Osborn.



TABLE GAYETY—Capt. Leon Grabowsky's quips are enjoyed (l-r) by Chief and Mrs. E. A. Denning, Chief A. D. Trujillo, Mrs. Malloy and LCdr. A. E. Malloy, and Mrs. Grabowsky. This was but one of many table groups.



WATCHING DANCERS—Tanya Zatzariny and Chief D. A. Frazer watch dancers with guests Mrs. Elliott and LCdr. F. H. Elliott, Commander of NOTS Enlisted Personnel Division.



NAF CO GREETED—Capt. and Mrs. Robert R. Yount are greeted as they arrive by hosts Chief and Mrs. Carl W. Spragle. The Chief was overall dinner chairman.



SUPPLY DIRECTOR ARRIVES — Capt. and Mrs. Paul W. Jeffrey are welcomed by Chief and Mrs. George N. Steurer.



PUBLIC WORKS OFFICER WELCOMED—Capt. and Mrs. J. H. Hartman are greeted by Chief and Mrs. Ralph B. Hess.



RETIRED CHIEFS—A special salute was rendered Club's retired chiefs during the evening's festivities.