



NEW FEATURE AT "O" CLUB — Ribbon cutting ceremonies were recently conducted for the opening of the Commissioned Officers' Club's new "Barefoot Bar." Assisting Capt. Robert Williamson II, NOTS Executive Officer, in the ceremony are prize winners Dave Chapman and Fred Nathan, (l-r). Looking on is LCDr. E. F. Ruess, Club Liaison Officer. Chapman and Nathan won a dinner for two in a contest that was held to name the new facility.

Community Center Graduation Party

Bill Pierucci and his band, "The Reptiles," will provide the music for the Senior Graduation Party to be held June 9 from 10:30 p.m. to 5:30 a.m. in the Community Center. A local group, "The Loving Kind," will also play at various times during the evening. Activities at the Senior Party will include games, billiards, entertainment, posed and impromptu photographs, as well

as dancing. Chaperones will be present at all times during the party. A buffet dinner will be served until midnight and breakfast will be served after 3 a.m. All seniors are urged to purchase their tickets at the Attendance Office of Burroughs High School. They will be available daily until June 2. The price for the party is \$7.50 per person.

SHOWBOAT

FRIDAY MAY 26
BURROUGHS' SPRING CONCERT
7:30 P.M.

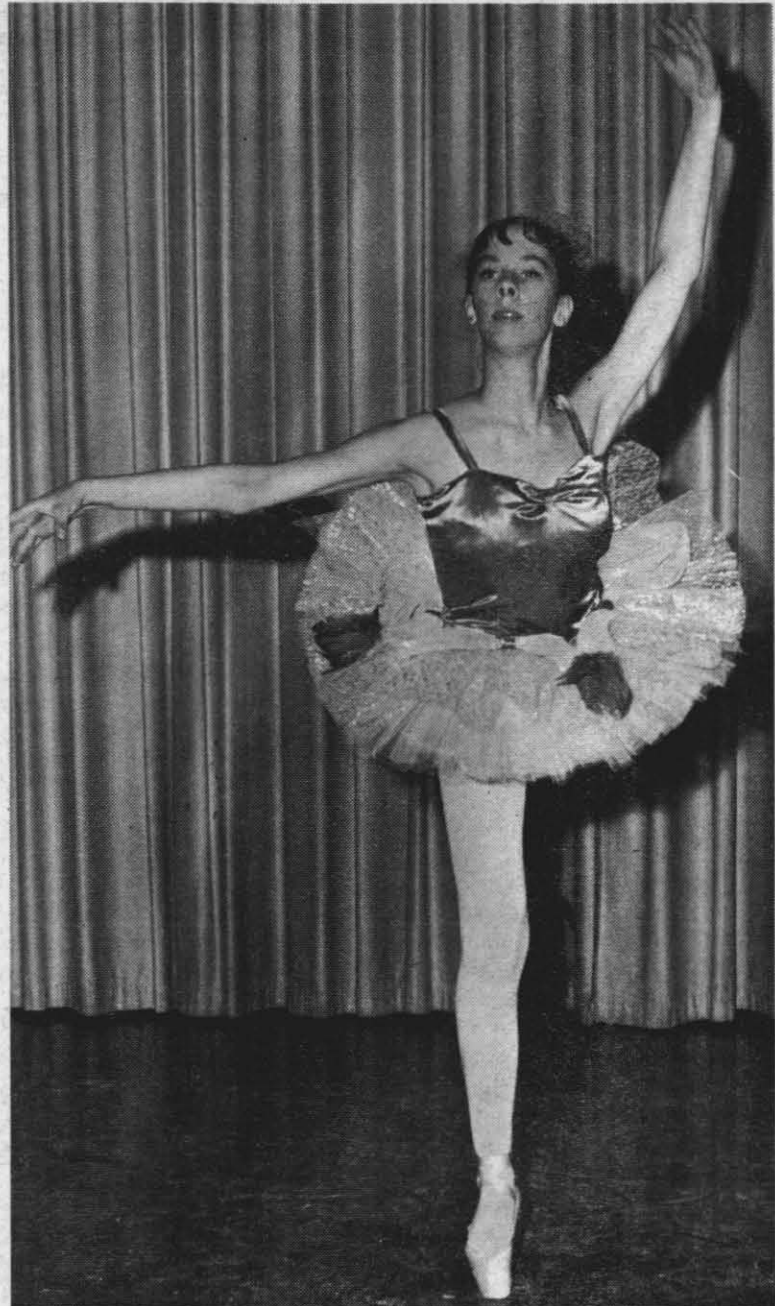
SATURDAY —MATINEE— MAY 27
"DOG OF FLANDERS" (94 Min.)
David Ladd
1:00 P.M.
Shorts: "Honorable House Cat" (7 Min.)
"Capt. Video No. 12" (17 Min.)

—EVENING—
"THE GHOST AND MR. CHICKEN" (90 Min.)
Don Knotts, Joan Staley
7:00 P.M.
(Comedy) Don's life-long ambition to become a reporter on the local paper really gets him shakin' and quakin' as he does a story of a haunted house where a double murder was committed 20 years ago. A coffin of fun in this whodunit! (Adult, Youth, Very Mature Children.)
Shorts: "Nautical Nuts" (7 Min.)
"Get In The Swim" (9 Min.)

SUNDAY-MONDAY MAY 28-29
"GAMBIT" (108 Min.)
Shirley Maclaine, Michael Caine
7:00 P.M.
(Adventure) Intriguing, humorously suspenseful account of a con-man who uses a Eurasian taxi-dancer as a foil to steal a valuable, but electronically protected, art treasure in serie Hong Kong. It's a DON'T MISS-the-fun film. (Adult, Youth, Very Mature Children.)
Short: "Hot Time On Ice" (7 Min.)

TUESDAY-WEDNESDAY MAY 30-31
"TOBRUK" (110 Min.)
Rock Hudson, George Peppard
7:00 P.M.
(War Drama) Based on a WW II incident, this tells of an American major who escapes prison with the aid of a special commando group who need his help to knock out a fuel depot held by the Germans. Authentic and exciting African campaign account. (Adult, Youth.)

THURSDAY-FRIDAY JUNE 1-2
"THE COVENANT WITH DEATH" (97 Min.)
George Maharis, Katy Jurado
7:00 P.M.
(Drama) Strange and interesting drama of a man accused of murdering his wife, of a newly appointed judge who becomes entangled in the puzzle that results before the execution. Torrid romance and the hangman's noose are for the mature. (Adult.)
Short: "Daffy's Diner" (7 Min.)



DANCE BALLERINA DANCE — A benefit ballet recital, opening with Terri Jacks' presentation of "Pas de Seul" will be presented tomorrow at 7:30 p.m. at James Monroe School followed by a second presentation at the Station theatre Sunday, at 1:30 p.m. Donations are 75 cents for adults and 50 cents for children. Family groups of three or more will be admitted for only \$2.

Burroughs High Presents Their Spring Concert

On Friday, May 26th, at 7:30 p.m. all performing groups will combine to present their annual Spring Concert in the Station Theatre. Featured on the program will be the Madrigal Singers, the nine-member Kern Co. Honor Girls Chorus, the Mixed Chorus, the A Cappella Choir, the Concert Band, and the String Orchestra.

Soloists for the performance will be Nancy Arsenault; violin, and a member of the All-California Honor Orchestra; and the following vocalists: James Sweany, tenor; Nina Sorenson, soprano; and Wendy Sorenson, soprano.

Tickets for the concert may be purchased from any student in the music department. Adults, \$1.00; Students, 75 cents; pre-school children admitted free.

One of the highlights of the Spring Concert will be the finale by the entire department: "Battle Hymn of the Republic."

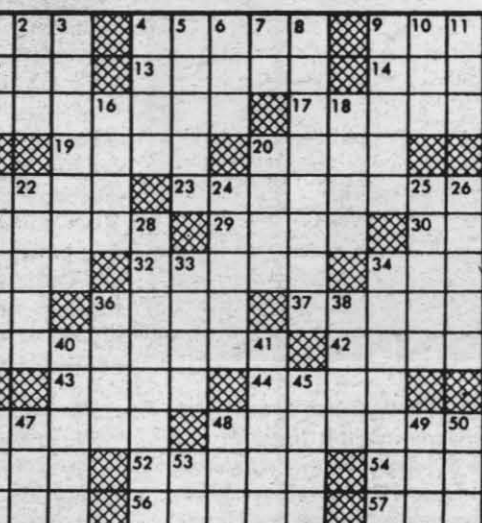
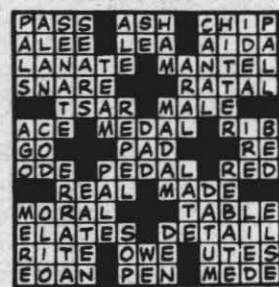
Also, the announcement of the outstanding senior in the music department, the Glen Biggers Music Award, will precede the finale.

Approaches to icy intersections may be packed and polished. Slow down early so you won't slide into cross traffic.

CROSSWORD PUZZLE

Answer to Previous Puzzle

- ACROSS
- 1-Peer Gynt's mother
 - 4-Honor
 - 9-Mature
 - 12-Yellow ocher
 - 13-Spear
 - 14-Army officer (abbr.)
 - 15-Be in attendance
 - 17-Bivalve mollusk
 - 19-Flesh
 - 20-Preposition
 - 21-At what time?
 - 23-Guiding
 - 27-Searches for
 - 29-Peruse
 - 30-Faroe Islands whirlwind
 - 31-Skill
 - 32-Conducts
 - 34-Hall
 - 35-Army officer (abbr.)
 - 36-Hindu garment
 - 37-Males comfortable
 - 39-Eluding
 - 42-Small island
 - 43-Finishes
 - 44-Girl's name
 - 46-Himalayan animal
 - 48-Stop flow of blood from
 - 51-In music, high
 - 52-Precipitous
 - 54-Chinese pagoda
 - 55-Dance step
 - 56-Draft animal
 - 57-Secret agent
- DOWN
- 1-Snake
 - 2-Tile of respect
 - 3-Ingredient



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Start Talent Testing to Build Career Guide

Research in the physical sciences and development of hardware usually draws top billing in discussions and seminars and publications at NOTS. Starting this year a concerted program of research into and development of professional talent will compete with the latest technical reports for the attention of China Lakers.

The NOTS Career Guidance Program is the name of a new effort to counsel and guide both Junior Professionals and tenured people as they move into their own specialties or decide between technical and administrative paths of advancement. It is now well into the test-giving phase under the guidance of the Personnel Department's Applied Behavioral Sciences Research Group, headed by Dr. Robert W. Stephenson.

Pressures are increasing in the world of technology, and NOTS professionals should have assistance in developing their abilities to forge ahead in it, according to Dr. Stephenson.

"As a result of the ever-increasing specialization that seems to accompany technical progress," he points out, "it is no longer adequate for a college graduate to simply decide that he will come to work for NOTS as, say, an engineer or a physical scientist."

"At some point during his first year at NOTS, each such professional employee must decide what kind of an engineer or physical scientist he wants to be. Moreover, at a later point in their careers, most professional employees must also decide whether they want to concentrate their efforts within a specialized technical field, or whether they should accept additional duties of an administrative or a managerial nature."

"Wrong decisions at such choice points can be extremely costly to the individual as well as to the organization that employs him," Dr. Stephenson emphasizes.

NOTS is now in the second and third phases of the Career Guidance Program. Phase One began in December, 1965, with the filling out of specially designed questionnaires by engineers and scientists who had been Junior Pro-

fessionals from 1957 through 1961. The analysis of the data resulted in a much improved, abbreviated checklist to sort out and classify the many kinds of professional jobs here.

Phase Two is concerned with testing former JP's to develop a test battery which, hopefully, will show how successful professionals will arrange their careers in the maze of possibilities outlined by the checklist produced in Phase One. The goal of Phase Three, the last in the current series, will be to validate the test battery developed in Phase Two, by testing current JP's. Followup studies in this last phase will take several years to complete.

The budding Career Guidance Program was planted in 1965 when the Station signed a contract with the California State Polytechnic Foundation. Head of this counseling test effort at the Foundation is Ben S. Gantz, Ph.D., principal investigator. He has been assisted here at NOTS by Mrs. Clara Erickson, now an employee of the Personnel Department.

The first developmental work in this project was based on — and encouraged by — an exhaustive review of similar work done for other technical centers, especially at the Minnesota Mining and Manufacturing Co. and others from the Education Testing Service at Princeton University, according to Dr. Stephenson. The work at MMM was done by Dr. Marvin D. Dunnette, a well-known industrial psychologist, who lectured at NOTS in 1965.

All of the individual test results are handled only by the contract people. Also, as Dr. Gantz points out, "It should be noted that the program does not bear upon hiring or initial placement. These domains remain the province of the interviewer-supervisor."

Other studies in progress at NOTS under the direction of the Applied Behavioral Sciences Research Group should provide abundant supporting information for the Career Guidance Study — and vice-versa.

The subjects of the studies vary from the use of computers to study personnel practices and employee progress to the adaptiveness to change of component organizations and the patterns followed in problem-solving by individuals.

Carlson Named To National Post Of Navy League



Milford C. (Mil) Carlson, immediate past president of the IWW Navy League Council, was elected to the Navy League's National Board of Directors at the organization's 65th National Convention held in Jacksonville, Fla.

Also in attendance at the four-day meet was W. R. (Bob) Balcom, current president of the local council. An employee of the Propulsion Development Department, Balcom was elected to his post in April.

The more than 2,000 delegates at the national convention elected Maj. Gen. Charles F. Duchain, USMCR, as national Navy League president. He succeeds Morgan L. Fitch, Jr.

Carlson, the first member of the local council elected to its presidency twice, 1963-64, 1966-67, is the first council member to be elected to a national office. He will represent the Navy League's 11th Region which includes California, Nevada, and Arizona.

The local businessman is a charter member of the local council. He came to the area in 1950 when he purchased the Inyokern Grocery Store. In 1953 he sold his business to purchase the High Peak Tungsten Mine, near Bradys on Highway 14, which he operated until 1958 when he bought the Inyokern Shell Oil distributorship. He now leases the mine as a shelter to the Indian Wells Valley Civil Defense.



Vol. XXII, No. 21

Naval Ordnance Test Station, China Lake, California

Fri., May 26, 1967

Dr. Marguerite Rogers Awarded High Ordnance Association Honor To Join Annual Infrared Confab



ANOTHER TOP HONOR — Dr. Marguerite M. Rogers receives the congratulations of (l-r) Dr. W. B. McLean, NOTS Technical Director, and F. H. Kne Meyer, head of Weapons Development Dept., for her Harvey C.

Knowles Award, a top annual honor from the American Ordnance Association. Last year she received NOTS' L. T. E. Thompson Award.

Photo By PH2 Phil Beard

Dr. Marguerite M. Rogers, head of Weapons Development Department's Weapons Systems Analysis Division, received a top award from the American Ordnance Association at its yearly annual meeting and banquet, this year in Washington, D.C.

The AOA's Harvey C. Knowles Award this year carrying a stipend of \$1,000 with it was presented to Dr. Rogers by Ira G. Ross, president of the Association. It is added to a long list of honors Dr. Rogers has been accorded through her professional career.

Ross had high praise for Dr. Rogers' contributions to defense in the citation accompanying the Knowles Award. "A distinguished authority in the analytical planning and designing of air delivered weapons, Dr. Rogers has demonstrated the highest ideals of patriotic citizenship, scientific proficiency and technical competence," it read in part.

"As director of the United States Navy's Free Fall Development Program, Dr. Rogers has organized and given brilliant leadership to a highly productive team of engineers

and scientists, whose efforts have resulted in a modern arsenal of air delivered tactical devices, including the accurate retarded descent bomb (Snake-eye) and the cluster weapons."

Ross pointed out that Dr. Rogers has been directing work in this field since 1961, and called her one of the foremost experts in air tactical weapons.

Dr. Rogers was the first woman to be awarded the L. T. E. Thompson award, the Station's highest. Dr. Thompson presented her the honor on November 15, 1965. (Continued on Page 3)

Lakers Go East To Join Annual Infrared Confab

China Lake was generously represented at a symposium held recently at the Pratt and Whitney Corporation at East Hartford, Connecticut. This was the Sixth annual meeting of various industry and government groups active in the field of Infrared Countermeasures.

NOTS people authored or co-authored 12 of the 47 papers or presentations given during the two-day classified session.

NOTS authors at the meeting were Ephraim Regelson, Howard Sumnicht, Shirley Mitchell, Jerry Reed and George Linstead of Code 3008, John Creelius of Code 3008 and George Handler of Code 4543, who did not attend, were authors of papers presented by others.

The symposium retains an affiliation with IRIS (the national organization on infrared) and is sponsored by various groups in the Army, Air Force and Navy. In addition to being frequent participants, NOTS personnel were very instrumental in establishing this organization, through which workers in infrared countermeasure technology can exchange their ideas on a classified basis.

HOLIDAY

Most Navy Exchange and civilian facilities will be closed in observance of Memorial Day, Tuesday, May 30.

Those remaining open will be the China Lake Bowl, with hours from 1 to 11 p.m., the Station Gym and pool, the Malt Shop and Von's Market.

Spectacular Air Show Highlights Station's Armed Forces Program

A swift kill by the NOTS-developed deadly Sidewinder air-to-air missiles of a rocket target highlighted the Air Show portion of Armed Forces Day for 10,000 visitors here last Saturday.

The crowd saw NAF's Lt. Pete Ferrentino release the target rocket from the wing of his A-1 Douglas "Skyraider," seconds later they saw NAF's pilots, LCDr. Ernie Mares in an F-4B McDonnell Phantom II and Lt. Jim (Flaps) Andrews in an F-8D Ling-Temco-Vought "Crusader," release their Sidewinders from a distance of two miles. The Sidewinders swiftly homed on the rocket target to blast it from the sky.

Pilots of the Capt. Boyd Muncie commanded VX-5 and Capt. Rodney Schall commanded NAF kept the show moving at a rapid pace. Other features of the show included:

In-flight refueling, demonstrated by VX-5's LCDr. Sam Houston flying an A-4 and fueling an F-8D "Crusader" piloted by NAF's Lt. Jim (Flaps) Andrews.

Lt. Gene Gilbertson, a veteran fighter pilot of Viet Nam

and assigned to VX-5, was on target with his delivery of a high explosive bomb from an A-4 "Skyhawk."

Marine pilot Maj. Gus Gustafson, attached to VX-5, ripped his target with a ripple firing of 2.75-inch high velocity rockets from an A-7 Ling-Temco-Vought "Corsair II." The Corsair II is one of the Navy's latest single-seat, single-jet engine, carrier-based aircraft.

VX-5's Lt. Cmdr. Tom Ewall, Viet Nam veteran, in an F-4 McDonnell "Phantom II," displayed his skill in a low delivery of a napalm bomb which seared the desert.

A simulated target was blasted to pieces as NAF's Lt. Errol Reilly power-dived his F-8D Ling-Temco-Vought "Crusader" with its 20-mm cannon blazing destruction.

VX-5's LCDr. Lee Keely, flying an A-4D Douglas "Skyhawk," demolished his target with a salvo of eight NOTS-developed Zuni rockets.

Piloting an A-4 "Phantom," NAF's Pat Nichols demonstrated a high-angle loft bombing technique, one of seven techniques developed at NOTS for Fleet pilots.

Cdr. Jack Robcke, NAF Executive Officer and former slot man for the Navy's famed Blue Angels aerial demonstration team, executed the delivery of smoke bombs from an A-4 to obscure a simulated front-line area from an enemy.

Cdr. Robcke is the senior pilot of those who participated in last Saturday's event. He is a veteran of WW II and is credited with two Zero kills. In addition, he is a veteran of the Korean conflict.

NAF's Cdr. Ernie Mares, Lt. Errol Reilly, Lt. Jim (Flaps) Andrews and VX-5's LCDr. Tom Ewall are veteran Viet Nam fighter pilots. Ewall has a probable MIG to his credit. The four pilots have flown a total of 628 combat missions. All have served aboard the USS Coral Sea.

A helicopter rescue by NAF's LCDr. Denny Strey and parachute drop demonstration by the China Lake Skydivers completed the Air Show.

Air Show commentator was Cdr. F. R. (Knobby) Walsh while Cdr. Don Johnson of VX-5 served as this year's Armed Forces Day Project Officer.

Summer School

Dates were announced this week for the China Lake Elementary School District Primary Summer School. According to Richard W. McCown, summer school Principal, the dates are set for July 10 through August 11.

Registration forms for pre-first, pre-second and pre-third grade students have been distributed to district children, and additional forms may be obtained at any elementary school office.

McCown added that more information about bus and class schedules, and the Murray School's elective program, will be made known later.

Lt. Commander Makes Captain Of V.F.W. Ship

LCdr. F. H. Elliott, Commanding Officer of NOTS Enlisted Personnel, was installed as Captain of Lloyd E. Frost VFW Ship 4084 in ceremonies conducted May 13 at the Memorial Hall in Ridgecrest.

His one year term of office will commence at the time of installation of the Department of California Commander at the state convention in Fresno on July 1.

The Post, active locally in veterans and civic affairs, offers membership to any armed forces veteran that has served in an overseas campaign for which he became eligible for a campaign medal or ribbon.

Carwash Planned To Help Orphans

A carwash, sponsored by the Senior High Youth Fellowship in order to raise money for the war orphans that the Fellowship is supporting in Thailand, will be held tomorrow from 9 a.m. to 4 p.m. in the All Faith Chapel parking lot.

The group strongly urges all owners of dirty cars to stop in and take advantage of their expert services. The price is only \$1.50 per car.

Lost Bicycles

Anyone who has recently lost a bicycle around China Lake might still find it at NOTS Disposal Warehouse No. 41, where stray bikes collected by Security have been gathered.

This must be done before May 31, when any remaining bikes will be sent to the Surplus Retail Store for sale. Until then, a lost bike can be claimed upon proper identification.

Rules Are Outlined For Young Cyclists

With the coming of summer, the two-wheeled motorized vehicles come out in force. Some are ridden by experienced drivers and some of the drivers are very new beginners. Without licensed motorcycle instructors and an area set aside for supervised practice, it is a problem for operators of the powered two-wheelers to obtain training and the riding experience so necessary to ride safely. Sometimes they are also not aware of laws of California and Station regulations as they apply to the operation of two-wheeled motorized vehicles on the Station.

Here is a brief review of the laws. Unlicensed operators may ride on private property as long as they do not cross or park on a street, they must be licensed to ride on back streets and alley ways.

A minor of the age of 15½ may get a learner's permit and operate a motorcycle. They do not have to be accompanied by a licensed driver but they may not carry passengers until they have qualified for a regular license. They may take a driving test on the motorcycle and are licensed then for driving motorcycles only. They may qualify for a license in a car and then may also ride a motorcycle.

The law states no person shall operate a motorcycle with a seat so positioned that when he is sitting astride the seat, he cannot touch the ground with both feet.

The handlebars should not be more than 15 inches above the uppermost part of the seat, and every motorcycle must be equipped with a rear view mirror and a horn.

Passengers may not be carried side saddle. You may not carry a passenger except on a seat securely fastened to the machine in the rear of the driver and provided with foot rests and handgrips or in a sidcar attached to a motorcycle and designed for the purpose of carrying a passenger. The motorcycle shall be equipped with a muffler in constant operation.

When driven at night, the motorcycle shall be equipped with at least one headlamp and must display a lighted red tail lamp, a license plate lamp, a red stop light operated by the brake and at least one red reflector. (The headlamp must have a high beam indicator).

The motorcycle operator must comply with all other vehicle code sections which can apply, including speed limits, rules of the road, licensing, financial responsibility, and equipment.

After July 1, 1967 the law changes. The minimum age for instruction permits will be 17½ (except for students or graduates of driver training courses which permits will not be valid for motorcycle operation.) Regular driver's licenses may be issued at age 18. There are exceptions, licenses will be issued at age 16 if the student has had both Driver Education and Driver Training from a licensed school.

The operation of a motor vehicle on the streets and alleys of the Station by an unlicensed minor will result in the parents being treated as the violator in the Station Traffic Court. Also violations may eliminate liability of many insurance policies if the negligence or inexperience of the unlicensed person is the cause of the damage.

Plan Memorial Mass For Sunday in Chapel



WE PAY HONOR — The All-Faith Chapel filled with worshippers last year to honor the servicemen who had given their lives in defense of their country, and this year will do so again at the annual Memorial Mass, Sunday, May 28.

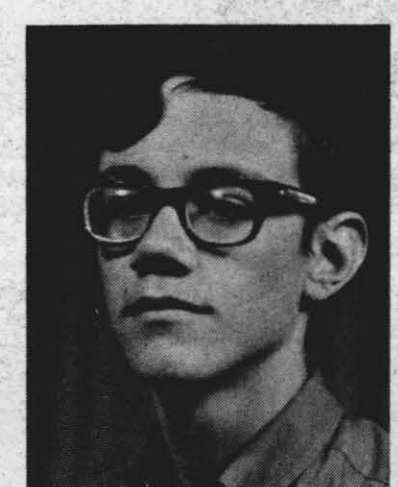
God in Viet Nam Is Movie Subject At Chapel Picnic

The Protestant and Catholic congregations are going together on a pot luck dinner in the East Wing of the All Faith Chapel on Sunday at 6:00 p.m. Families are asked to bring their own food, their own service and milk for their own children. Single persons should bring pickles and olives, etc. The congregations will furnish rolls, butter and coffee.

The program will be a film entitled "For Thou Art With Me," about Viet Nam. Chaplain Paul Toland will speak on Viet Nam and show his slides. All are invited to come hear this up-to-the-minute report on the Viet Nam situation.

Tom Ross Receives Scholarship

Thomas S. Ross, 17, a senior at Burroughs High School, has been selected this year to receive a \$75 cash award scholarship by the local Mojave Desert Section of the American Institute of Chemical Engineers.



THOMAS S. ROSS

Tom is the son of Mr. and Mrs. Charles Ross of 105 Carriacat, China Lake. He plans to attend the University of California at Riverside this September, to concentrate his studies in biochemistry. The award was made at the local Institute's annual banquet in Boron last Tuesday May 16.

The Section made like awards to seniors from both Trona and Boron High Schools. The scholarship program, expanded last year, is designed to encourage students to continue their education in the fields of science or engineering, and awards are made annually to one student from each of the three high schools.

Beauty Shop Closes For Fix-Up Work

Senn's Coiffures, the Station Beauty Shop, will be closed from May 29 to approximately June 5 for improvements. An effort will be made to handle existing appointments before the closing, however no additional appointments will be taken prior to June 7.

No Rubbish!

Due to the Memorial Day holiday next Tuesday no rubbish pick up will be made in Capehart Site B, LeTourneau or Normac housing areas on May 30.

Tenants are advised to put their containers out Wednesday, May 31, for pick-up.



OUTSTANDING SIDEWINDERS — Capt. E. J. Lawrence, inspector for Commander, Fleet Air Alameda, reviews Sidewinders of VX-5 as AFMC Richard W. Dunn, VX-5 personnel inspection, Capt. Lawrence and staff proceeded with a thorough investigation of the squadron. When all was through, and grades tabulated, VX-5 was awarded 96.21 points — an outstanding in all respects.

Gear Locker Sale Set By Boat Club Gale Schneider Wins Fleet Reserve Stipend

The China Lake Boat Club will hold their annual gear locker sale on June 3 from 9 a.m. to 4 p.m. Anyone having items for sale is invited to bring them to 355 McIntire St. before or during the sale. Information can be obtained by calling 375-2809 or 375-7687. The public is also invited to attend any of the club's meetings which are held on the fourth Thursday of each month at 7:30 p.m.

Something that is very often opened by mistake is a charge account.

Gale Robin Schneider, daughter of Mr. and Mrs. George R. Schneider of Ridgecrest has been awarded the Fleet Reserve Association's Schuyler S. Pyle Scholarship of \$500.

Gale will graduate from Burroughs High School in June where she has maintained a high scholastic average. She has been active in school and community affairs and she plans to become a chemist for the National Aeronautics and Space Administration.

The Scholarship is awarded annually to a dependent son or daughter of a member of the Fleet Reserve Association based on scholastic ability, leadership, character and need. Gale's father is a retired LT(jg) of the U.S. Navy and a member of China Lake Branch 95, Fleet Reserve Association.

The Fleet Reserve Association is an organization composed of over 69,000 career enlisted personnel of the regular U.S. Navy and Marine Corps and has over 300 branches throughout the world.



CASH FOR THEIR THOUGHTS — Suggestions for safety and convenience brought \$130 to seven Public Works employees recently. Capt. H. J. Hartman, Public Works Officer and Code 70 secretary Mildred Amos (front, l-r) presented the awards to (front, l-r) Ralph P. Loper and Arthur H. Senn and (rear, l-r) Robert L. Deskin, Loren H. Chadwick, Zane G. Lancaster, Clarence E. Miller and Robert A. Matson. The awards ranged from \$15 to \$20 each. —Photo by PH3 Jerry Willey



ON SPECIAL TOUR — Children from the China Lake Nursery enjoyed their own small version of Armed Forces Day last Tuesday and Wednesday, May 16 and 17, when they toured to NAF and were shown through the unit's aircraft. Their guide Tuesday (above) was Lt. Errol Reilly, Quality Control Officer for the Operations Maintenance Dept. Accompanying the group was (left) Mrs. Carol Crusier, a mother of one of the group, and Claire Boyd, a Nursery teacher. Lt. John Williams, OMD Line Officers, presided Wednesday. —Photo by PH1 Gary Bird



GAS! GAS! — RESCUE TEAM PRACTICES — All last week the China Lake Mine Rescue Team practiced with the McCaa respirator, a standard apparatus for breathing in noxious atmospheres, on loan to the team from the U.S. Bureau of Mines. Here, Gary Peek, Bob Wilhelm and Francis Kluck (l-r) exit from a Civil Defense boxcar full of tear gas, parked on a spur west of Mich Lab. The 15 team members, under team captain Dal Hughes, also serve as the Shelter Recovery

Team for Civil Defense. On Monday through Friday, May 15-19, the group members walked, ran, did pushups and ran through the boxcar test with the respirators, on loan from the Bureau of Mines' Oakland and Reno offices through the help of the Reno office's Mack McCreary. The devices' oxygen tanks are good for about an hour. The team operates under the Kern Co. Sheriff's Office. —Photo by PH1 Jerry Williams

NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638



OPERATOR'S CONSOLE — Grouped around the remote control for all operations are members of the Computer crew. Left to right, they are: Ken Roll, Supervising Computer Operator; Tom McKinney, Head, Digital Computer Group; Janice Hart, Key Punch Operator; Wayne Taggart, Lead Computer Operator; Nancy Covell, Key Punch Operator; Henry C. Wallenstedt, Computer

Operator; Katherine Atkins, Programmer; Elton Rife and Joel Carroll, Mathematicians; Tony Asam, Computer Operator; and (sitting) Freda Pickens, Supervising Key Punch Operator. Not present for the photograph were Jim Smith, Computer Systems Specialist; Steve Brown and Charles Messenger, Mathematicians.

—Photo by PH1 Gary Bird

New Univac 1108 Computer Installation Increases Capability by Twenty Times

Neither rain, hail, sleet nor especially a snow storm in the mid-west could delay the delivery to NOTS Pasadena of components for the new Univac 1108 Computer—no more than two days that is.

The truck got through the snow storm however, the parts were delivered, and the two days lost time have been made up, reports personnel of the Simulation and Computer Center. They add that they are in limited operation now and by the end of May will be running programs for general purpose users.

The Univac 1108 Computer replaces the 490 in the Computer Laboratory. It will increase by about 20 times the computer capability.

The new equipment will permit the addition of several important acoustic factors in real-time simulation programs utilizing an actual torpedo receiver, and simulated torpedo and submarine hydrodynamics.

The speed of the 1108 will allow the inclusion of the factors of effects on torpedo homing against a submarine in the presence of surface and bottom reverberation, including

the effects due to torpedo motion. It also includes torpedo motion in the computation of volume reverberation.

It will permit inclusion of multi-acoustic reflecting or transmitting bodies in addition to the presently simulated submarine, torpedo, and countermeasure.

Improvements within the next year as a result of the 1108 installation will include factors in the 1108 real-time simulation programs such as the effects on torpedo homing due to multiple reflections (off the surface then off the submarine hull back to the torpedo), and effects on torpedo homing due to changes in sound velocity as a function of depth.

A few of the major ASW problems that will be more effectively handled at NOTS Pasadena as a result of the 1108 installation will include an ASW systems analysis model, analysis of fire control, and sonar such as SQS-26, Variable Depth Sonar MK 35, and Padlock.

Several training courses have been held over the past few months to acquaint users with the capability and potential of the Univac 1108.

Summer Bowlers Start With Tie

The NOTS summer bowling league is underway, with eight four-bowler teams competing every Wednesday at the Bahama Lanes.

Team No. 8, consisting of Dory Aitchison, Sam Brown, and Judy and Bob Cowell, and Team No. 4, composed of Lyn and Al Roeske, Julie Hood, and Milt Blatt, are in an early-season tie for first place. Each team took four games on the first night of play.

High scores for the first week are as follows: team series, Teams No. 4 and 8, 2242 (tie); team game, Team No. 2, 778; men's series, Al Roeske, 593; men's game, Mert Welch, 225; women's series, Carolyn Yuge, 564; and women's game, Irene White 209.

PROMOTIONAL OPPORTUNITIES

To apply for positions, contact Christine Marchand, Pasadena Personnel Division, Extension 278. A current SF-58 must be submitted when applying. Engr. (Mech), (Aero), or (Gen), GS-9 or 11, Code P551 — Provides engineering support to infrared countermeasures programs. Experience with infrared, related to aircraft and ships desired. Must use own transportation (on reimbursable mileage basis) for field trips, except when Navy vehicle available.

Eleanor Page Retirement Set Today



Eleanor M. Page, P8087 Secretary for the past five years, retires today. She has been with NOTS Pasadena for eight years.

Before joining NOTS, she was with the Treasury Department in Los Angeles.

Originally, Eleanor came to California from Oak Park, Ill., (a suburb of Chicago). She worked for a year in private industry, married and retired from her working career spending most of her time working on a boat owned by she and her husband. She resumed her business career after becoming a widow.

Immediate plans now call for a journey to Boulder, Colo., a visit to Chicago, then on to Greek Lake, Wisc., where she will work for the summer at the American Baptist Assembly.

Eleanor's sister is in charge of the art museum at the Assembly and also their family summer home is now a part of the Assembly.

She expects to return to California about November and will work part time.



100 PERCENT ADVANCEMENT — NOTS Enlisted Men at San Clemente Island mark an outstanding achievement with every man passing that took the exam for rating. Left to right, the men and their new ratings are: D. B. Crouse, Commissaryman

Third; G. E. Lambert, R. C. Howe, and J. J. Linde, Communications Yeomen Third; R. A. Lewein, Radioman Second; and G. W. Faulk and M. M. Hervey Jr., Radioman Third.

—Photo by PH2 Ralph Robey

MAINTENANCE PANEL — Lloyd Z. Maudlin (left), Head, Simulation and Computer Center, and A. J. Tickner, Head, Guidance and Control Division, look over the new Univac 1108 maintenance panel which is utilized by Univac personnel to perform maintenance checks on the computer equipment as well as by systems programmers to debug the programs they will run in the Computer Center.



EQUIPMENT DELIVERY — Univac 1108 Computer components roll in two days late due to snow storms in the mid-west. Lost time has been made up and by the end of May will be running programs for general purpose users.

Dr. Rogers Gets High Ord. Honor

(Continued from Page 1) vember 5, 1965, for her "outstanding technical leadership" and managerial skill in the free-fall weapons program.

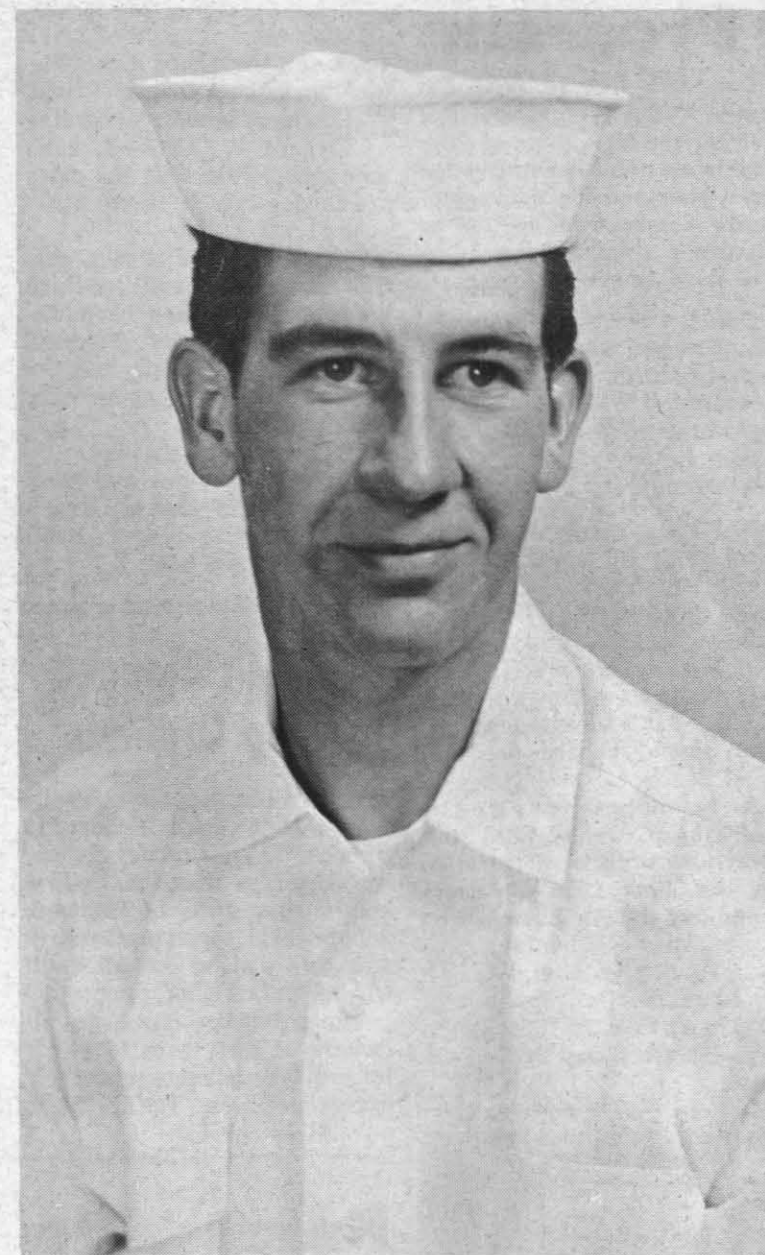
The following year, she was named "Woman of the Year" by the California State Chapter of the Business and Professional Women's club. In July, 1966, she was also awarded the Navy's "Superior Civilian Service" award.

Dr. Rogers came to work for NOTS in 1949, and began serving in first the Research and then the Aviation Ordnance Departments, while her husband Dr. Fred Rogers began as head of the Physics Division of Research. The Rogers left in 1953 to teach in South Carolina, and she returned in 1957 as analyst in AOD, a year after the death of her husband.

She became head of the Air-to-Surface Weapons Division in the Weapons Development Department in May, 1962. In this capacity, she directed the Free Fall Weapons Program. In September, 1966, Dr. Rogers was promoted to her present position.

Today, two of her five children, Alexander and Fred, are physicists in AOD — or almost two, as Fred will come aboard about June 5, after his graduation at North Carolina State. Dr. Rogers says that her \$1,000 award money will go straight into the college fund for her youngest three, Charles, a junior, and Robert, a freshman at Burroughs High School, and Alison, a seventh-grader at Monroe School.

May 'Plane Captains' Show Energy, Work



AIRMAN GARY PLETT is the choice of VX-5 as their Plane Captain of the Month. Gary Plett is from Granger, Utah, and was studying architectural drafting at Salt Lake Technical School before he enlisted in the Navy in January, 1966. At VX-5, Plett is plane captain for one of the squadron's new A-7A Corsair II aircraft, and took special training at NAS Lemoore and in Yuma, Arizona, for the job. Airman Plett has taken good advantage of the clear skies and wide open spaces of the Mojave Desert to pursue his special interest of sport parachuting. As a member of the China Lake Sky Divers Club, he has made five jumps so far, and hopes to become a jumpmaster.



AIRMAN ETIGNEY V. SHIPLEY, Jr., has been picked by his supervisors and the command of NAF to be Plane Captain of the Month. The hard working Airman is a recent addition to the Navy team, having enlisted in June, 1965. Shipley is a native Californian, born in Port Hueneme, but calls Dallas his home town. The bachelor sailor is also a budding commercial artist-by-upbringing, following in his father's footsteps. He plans to go to school for two years after his Navy service, and make commercial art his profession. Shipley serves as plane captain on a T-28 at NAF, and takes advantage of his spare time to travel around his native state and to scenic areas in the West.

School District Group To Study County Needs

Building needs in the Kern County Union High School District will get the scrutiny of 70 members of a recently appointed citizen's committee, including six Indian Wells Valley people, chairman Ray DeZemmer announced this week.

The first meeting of the committee was held Wednesday, May 24, at the District administration building in Bakersfield.

"We will make a comprehensive study of all the high schools in the district and report our findings late in the summer," said DeZemmer.

The chairman called upon Albert S. Gould, president of the District's board of trustees, for an outline of its responsibilities and the relationship of the citizens committee as an advisory body, at the Wednesday meeting.

China Lake-Ridgecrest area members of the committee are William E. Davis, China Lake; J. Elliott Fox, Ridgecrest; Dr. Albert Hoyem, China Lake; Harold Metcalf, China Lake; Dr. Rex E. Shacklett, Ridgecrest, and Gene Richardson, Ridgecrest.

Aetna Agent To Be At Community Center Thursday and Friday

Howard Keenan, representative of the Aetna Insurance Co., will be at the Community Center next Thursday, May 25, from 9 a.m. to 4:30 p.m. and on Friday, May 26, from 9 a.m. to 3 p.m.

Concert Group Elects Members

At the annual meeting of the China Lake Civic Concert Association held last week, Cdr. A. M. Wildberger and Carroll L. Evans, Jr., were elected to the Board of Directors.

Also elected were two members of the Board who ran for re-election. K. W. Heyhoe and Mrs. R. M. McClung. These four will serve along with Mrs. L. A. Blackmun, H. L. Bagge, George Silberberg and R. J. Storton, to form the 1967-68 Board of Directors.

Other business transacted included a treasurer's report for the year and a report of the auditing committee given by A. S. Gould, Sr., chairman, which also included Robert Glen and R. V. McKenzie. Next year's five concerts have been planned and contracts signed.

Red Cross Class Starts Wednesday

A Red Cross Casework Volunteer class will begin the morning of May 31, for anyone wishing to help in the office of the Field Director, on the base one day each month. Those who either wish to register or who wish additional information can call Mrs. Robert Dillinger, 375-8101, at any time prior to the first class session.



STAND AND BE COUNTED — Many times throughout life, we often wonder, "Why didn't I have sense enough to put something aside." Believe it, it is not too late. The best and easiest way to save money is through United States Savings Bonds. Right now, during the Station's annual drive, you might also take advantage of the new "Share in Freedom," a new bond that matures almost twice as fast as the rest. Inquire today, it's probably the easiest thing that you could possibly do.

CHAPLAIN'S MESSAGE



How to Be Human

By Chaplain Robert Johnson, Cdr., USNR

In a day when the health of the American moral scene is a matter of concern to many, the church which has historically espoused some form of an absolute ethic, seems to be joining the dissenters.

Be that as it may, I wish to give a different twist which was inspired to me by E. LaB. Cherbonnier in a book titled, "Hardness of Heart."

The historic message of the church is that Jesus Christ is both God and man. In His manhood He calls man back to his true humanity and He does this through the cross.

Man is out of joint. Man's great sin is idolatry. We all play god in our own lives. We thus have left our created role as creature and are trying to be Creator.

You want to be really human? . . . Why don't you become a Christian!

EDITORIAL

A Day to Remember

MEMORIAL Day commemorates the men and women of our Armed Forces who have given their lives in the service or defense of our Nation and way of life since 1861.

First proclaimed as Decoration Day in 1868 by General John A. Logan, it was to honor the men who had fallen in the Civil War.

The occasion is marked by parades, patriotic observances, memo-



rial services and decoration of graves of servicemen and veterans with flowers.

Since the Civil War, more than 603,000 American servicemen have died in battle.

This Memorial Day holiday, as you speed on your way to the seashore or mountains, or relax in your backyard, take a moment to say a silent and grateful "Thank You" to the thousands whose supreme sacrifice made it possible to enjoy the freedom you have today.

Buy U.S. Savings Bonds

STATION LIBRARY LISTS NEW BOOKS

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

- Fiction
Burdick—A Role in Manila.
Caldwell—Dialogues with the Devil.
Rigsby—Calliope Reef.
Sheed—Office Politics.
Non-Fiction
Adams—Illustrated Guide to Yosemite.
Bloomfield—The Compact

- History of the United States Coast Guard.
Davidson—Winning Badminton Goerner—The Search for Amelia Earhart.
Johnson—An Instance of Treason.
Marshall—Brazil.
Sports Illustrated—Book of Badminton.
Starker—Western Flower Arrangement.

PROMOTIONAL OPPORTUNITIES

Present Station employees are encouraged to apply for the positions listed below.

Supervisory Physicist, General Engineer, Mathematician, GS-13, Code 3011—The position is that of Branch Head of the Simulation and Analysis Branch in the Weapon Systems Division.

Engineer Technician (Drafting), GS-9, Code 4014—Provides mechanical and electro-mechanical design services in the support of weapons in development and their associated components.

Draftsman (Mechanical), GS-7, Code 4014—Provides drafting services in support of weapons and their associated components, does minor design on items i.e., jigs, fixtures, moulds, dies, etc.

Mechanical Engineering Technician, GS-7, Code 4561—Works up preliminary design information for workpieces and components, prepares drawings and specifications.

Management Analyst, GS-7 or 9, Code 251—Plans, reviews, coordinates current and proposed operational programs, conducts special and scheduled surveys and studies, devises solution to problems and recommends new and improved methods and procedures.

Voucher Examiner, GS-4 or Code 2575—Receives bills, checks for accuracy against stubs, sorts bills and prepares a summary of accounting data; files stubs and maintains constant file of bills.

Utilityman, WF-2, \$2.48, \$2.58, \$2.68 per hour (4 vacancies) Code 28—Upon satisfactory completion of the six month training period, incumbent will be considered for promotion to Groceryman, WF-4, \$2.89, 3.01, 3.13 per hour.

Equipment Specialist (Missile), GS-9 Code 5562 PD No. 759058—Position is located in the Air and Surface Launched Weapons Branch, Fleet Engineering Division, Engineering Department.

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'DESERT PHILOSOPHER' Comments About Photography

By "POP" LOFINCK



One — How to return to a classic spot you passed, for a good picture.

Before you can stop you have passed that spot. So you back up to get that wonderful picture.

But you can't quite find that exact point. Because, as you traveled your eyes were registering on your mind a composite series of pictures — superimposed into one frame, so to speak.

Or maybe you don't have your camera with you that day — so you don't stop — you will come back and get that classic view another day.

That complicates your problem. So get the exact mileage to a certain point. And note the time of day. It is amazing how the changing slant of the sun will make a view look like an area you haven't seen before.

That composite view registered in your memory doesn't exist in reality. A motion picture taken as you travel and shown on a screen will give that composite view. But we are talking about a still picture to be hung in a gallery. So forget the motion picture camera.

Two — Some years ago I had an interesting conversation with Norman Rockwell — the famous painter of Saturday Evening Post covers. He said, when he has a request for a picture of a certain mountain — an old mine or village, he would go out and spend all day studying the best lighting effects.

Three — Don't stint on film! The tendency of most of us is to think about the cost of the film. But years later — long after the cost of film is forgotten — you wish you had taken many more pictures.

It has been said that a great photographer is one who takes a thousand pictures, but only shows the best ones. That may be true in some cases — but good pictures should take a lot of preliminary planning, especially of nature pictures.

Ernest Hemingway — on one African safari was reported to have taken 3,000 pictures for a lengthy magazine story — only 30 pictures got into the magazine. So — food for thought.

Four — Although the only thing permanent in the universe is perpetual change — man has always wanted to capture the passing moment with drawings — paintings — sculpture — words and now photography . . . to halt what is transitory and make the thought endure long beyond the passing day — to stop time, so to speak — and secure what is vanishing. Man's hope is to leave a record of the fleeting moment.

Five — About viewing a print in an exhibition. Some years ago the Leitz Co. that make the Leica camera — published in their magazine a mathematical formula to determine the proper distances for viewing a print — to get a three dimensional effect.

The formula was based on the distance from the camera to the scene being photographed — the focal length of the lens — the aperture of the lens opening — and the timing — and the size the print was blown up to.

They suggested that every picture hung in a gallery should have a notation as to the distance the viewer should stand. I forget the formula — and I can't find it in my files. I'll send for it and when I get it I'll put it in this column.

In the meantime — you don't need a slide rule. Just hang the picture on the wall — step forward and backward until you get the three dimensional effect and mark it on the bottom of the print to save future viewers all that footwork.

THE LOCKER ROOM

Rinkydink Era

By ED RANCK



Rinkydink is sports terminology for a person who doesn't quite have it. He is the guy who is most likely to strike out with the bases loaded, miss an easy layup in the last two seconds with the score tied, or trip over his shoelaces while running for a touchdown.

We spoke last week about the decline of varsity sports in the armed forces. With the increased emphasis on intramural sports programs, it is obvious that the era of the rinkydink is here. Although there are some undesirable aspects of varsity sports, it has to be admitted that there are some good points.

Probably the two most important things to be said for the varsity sports program is that it offers athletic prestige to all participating bases, and it can be extremely enjoyable to the spectators. Winning a district or all service championship is a real accomplishment, and because of this there are a few military bases that have built quite a reputation for athletic excellence.

EVERYONE CAN PLAY

What then are the things that make an "intramural" or local sports program worthwhile? Probably the most desirable factor is that the rinkydink does participate. As stated before, only the best players make the varsity team. The guy who likes sports, but doesn't quite have it, either sits on the bench or in the stands.

The present sports program at China Lake is an excellent example of what can be done by placing emphasis on sports at the local level. The Station's leagues in softball, football and basketball may be the first to come to mind. These sports, because of their great popularity and spectator appeal, are the most publicized. Golf, tennis and bowling enjoy a large following, and these are perhaps the big three as far as active participation is concerned.

It is reasonable therefore, to say that hardly a day goes by that there isn't some kind of organized athletic activity at China Lake. The events that are included on the athletic calendar range from horseshoes to swimming.

The official sports calendar begins with a paddle racquet tournament in January, and ends with the basketball championships twelve months later. This is competition in handball, table tennis, billiards and volleyball during the early part of the year. The summer months bring badminton, tennis and swimming and in the winter months football, bowling and basketball take over.

CLASSES, CLINICS AND CLUBS

Among the many classes and clinics available at China Lake, the Lifetime Sports Foundation project is perhaps the best. This project provides instruction programs in tennis, badminton, bowling and golf. The recently completed tennis program was a great success, and the badminton clinic is underway at this time.

We mentioned earlier the good points about varsity sports, prestige and spectator enjoyment. To a great extent these things are also available in the local sports program. It is true that team caliber may be diluted by the presence of a few rinkydinks here and there. The clubs however go all out, the rivalries can get pretty hot, and judging from the noise coming from the grandstands a lot of people are enjoying it.

SOFTBALL STANDINGS

Table with columns: Team, W, L, NOTS, Score. Rows include Ridgecrest Tigers, Triangle Sporting Goods, Engineers, Ace TV, Magic Cleaners, NAF, Genge Industries.

Softball Season Officially Opens With Much Action

Strong pitching performances by Bert Andreason, Bert Galloway and Billy Brown highlighted the official opening of the 1967 Softball season this week.

Andreason fired a one hitter at the Genge Industries ball club Tuesday night as Ace TV shut out Genge, 4-0. Dennis Henden's scratch single to left field in the first inning was the only hit of Andreason, who struck out 15 while going all the way for Ace TV.

Bert Galloway struck out pinch hitter George Highers with the bases loaded in the seventh inning to choke off a late VX-5 rally, as the Engineers downed the Vampires, 7-5. Roger Short's homerun in the first inning put the Engineers ahead, 2-0, but four walks and a base hit sent VX-5 ahead 4-2 at the end of one. After the shaky start Galloway settled down as the Engineers tied the score and went ahead to stay in the fifth inning.

The Ridgecrest Tigers defeated the NAF Hawks 8-1 behind Bill Brown's 11 strikeout effort. Ron Brennecke homered for the Tigers, as they jumped to an early 6-0 lead. Mac McCoy was the loser for NAF.

In other action, Doug Scoggin's triple with the bases loaded in the sixth inning capped a four run rally as Triangle Sporting Goods outlasted Magic Cleaners 13-8. Jim Curran had four hits as Triangle made the most of a 12 hit attack. John Lutz and Bob Hooper homered for Magic in a losing cause.

Many Teams Start Match League Play At Local Course

Twenty-one teams began a match play this week at the China Lake Golf Course, as the 1967 Station Golf League got underway. Over 120 golfers, representing all China Lake military commands and many of the local civilian departments are taking part in the competition.

In their recent golf action, Ron Vetter captured the Masters Green Jacket Tournament award for the month of April. The event, a regular monthly feature at the China Lake Golf Course, will be held once again this coming weekend.



LITTLE LEAGUE GROWS — On behalf of the Public Works Dept., Capt. H. J. Hartman, Public Works Officer, presents a check for \$200 to Claude W. Brown, president of the China Lake Little League Association.

Tennis Fought in Heat

If salt tablet consumption, blisters and fatigue are any indication, then summer officially arrived at the China Lake Tennis Courts last weekend. With temperatures ranging to over 100 degrees, the 1967 China Lake Tennis Club's spring tournament was held, and there are a lot of new cases of sunburn around the Station to prove the event was a success.

The tournament, which drew one of the finest turnouts in recent years, brought to a close the Club's spring tennis season. Members of the Club, former students of the Lifetime Sports Foundation's tennis program and tennis enthusiasts from the Ridgecrest area participated in the event, which consisted of men's and women's singles and doubles.

The singles events were held Saturday afternoon, with Buck Bustard winning the men's championship and Joan Leipnik coming out on top in the women's finals. Bustard swept the singles championship in straight sets, defeating Roy Miller 6-3, 6-1 and beating Rick



CREDIT UNION TROPHY — The NOTS Federal Credit Union "Losers" recently finished as the runner-up team in the "24 Club" Scratch League. This is a total of four trophies that has been won by the Credit Union team since 1963. Mary Andreason, Team Captain, presents trophy to Henry Wair, President of the Union's Board of Directors. Others (l-r) are Mick Doucette, Faylene Thelen, Glenis Hudson and Charlotte DeMarco.