

'Civilisation' Film Series To Resume Nov. 29

"The Pursuit of Happiness," and "The Smile of Reason," are the two film offerings in the "Civilisation" series for Nov. 29 and 30. The films will be shown at 2 and 7:30 p.m. each day at the Community Center.

"The Pursuit of Happiness" is devoted largely to the music of Bach, Handel, Mozart and Haydn. The "Messiah" and the "St. Matthew Passion" are recorded for the enjoyment of film-goers. Included in the film are the settings of Rococo architecture and the decorations of the great Italian artist Battista Tiepolo.

The art and sculpture of the 18th Century, from Holland, England and the French courts, is featured in "The Smile of Reason," the second film on the weekly fare. The works of Van Loo, Hogarth, and David highlight the film.

For the final two performance dates (Dec. 6-7), the last three films in the series will be presented. They are entitled "The Worship of Nature," "The Fallacies of Hope," and "Heroic Materialism."

Romantics like Rousseau, Goethe and Wordsworth, artists Constable and Friederich and Turner, are depicted in the first film. The dreams of the 18th Century were blasted by the betrayals of the 19th Century, and Clark captures this on film in the second offering.

The music of Beethoven, the art of Monet, Cezanne, Van Gogh and Gauguin, the early French Impressionist time, war and imperialism, all are the subjects of "The Fallacies of Hope."

Modern man, what he has inherited, what he plans, is the subject of the final film, which centers on skyscrapers, the suspension bridge, and machines. Man's unique talent for survival, says Clark, and the violence of nature, are captured in this film.

Seats, priced at \$1 per person, are still available, according to Art Amos, manager of the Community Center. "Civilisation" is sponsored by Special Services, headed by O. A. Iner.

Four Local Youths Win Judo Medals

Four local area youngsters won second place silver medals in a judo contest for youths 7 to 13 years of age that was held this past Sunday at Antelope Valley Junior College in Lancaster.

The local medal winners were Jim Arisman, Ralph Pais, Mark Pohl and Anthony Rizzardini.

Other local youths who entered the contest were Pat Arisman, William and Bruce Brown, Mark Cope, Lloyd Handler, Larry Gulick, Keith Knowles, Kevin and Curt Reese and Russ Stedman.

Adults from the China Lake-Ridgecrest area who served as officials in Lancaster were Chuck Knowles, timer; George Handler, scorer, and Margaret Gulick, judge. The tournament was hosted by the Antelope Valley Judo Club.

New classes for students of judo are now getting under way. Anyone between 5 or 6 years of age on up who is interested is invited to enroll on Tuesday or Thursday nights, starting at 6, in the upstairs room at the Burroughs High gym.



CFC DRIVE A SUCCESS—Rear Adm. W. J. Moran (at left), Commander of the Naval Weapons Center, discusses the results of the recently completed Combined Federal Campaign with Janet Palmer, a member of the publicity team, and Stanley Reynolds, general chairman of the drive. "My congratulations to all the people who worked on the campaign, and to all employees who contributed," Admiral Moran said.

Open Letter To All NWC Employees

The fiscal 1972 Combined Federal Campaign is now officially over. It has been successful. Over \$74,000 has been pledged by you fine folks to the charity organizations represented in the campaign.

While not quite as large a percentage participated, the average donation was higher than last year, and considering the employment situation and the general economic uncertainty, the results are highly satisfactory.

As your general chairman, it has been my good fortune to have had

ported during the campaign as having achieved the goal. They are:

Code 28, the Commissary Store, with 22 employees. Alice Reyes was their keyman. Code 1765, the Disbursing Branch with 18 employees under Shirley Eberberger, keyman. Code 172, the Management Division with 18 employees under Marvin Guthrie, keyman. The Patent Counsel, Code 95, where Phyllis Hall Keyman, had 9 employees. The Safety Department, Code 22. Keyman Alice Parker reported 16 employees. And Code 50, the staff of the Fuze Department, 12 employees under keyman Herwil Bryant.

Breakdown of the total monies show the following distribution: \$17,979 has been specifically designated for the United Fund; \$12,041 is marked for the National Health Agencies; and \$3,029 will be allotted to the International Service Agencies.

In accordance with previous arrangements, the undesignated funds will be divided on the ratio of 72 per cent to the United Fund, 18.5 per cent to National Health Agencies, and 9.5 per cent to International Service Agencies. Undesignated funds total \$39,991 in the current accounting totals.

According to Jim McGlothlin, Chairman of the Coordinating Committee for the CFC, the present figures probably will increase. "Experience in the past," he says, "shows that there are almost always several donations that arrive after the drive is over."

Payroll deduction was by far the most popular method of designating payment, with \$56,720 being handled that way.



SHOWBOAT

MOVIE RATINGS The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children. (G) - ALL AGES ADMITTED General Audiences (GP) - ALL AGES ADMITTED Parental Guidance Suggested (R) - RESTRICTED Under 17 requires accompanying Parent or Adult Guardian

FRI "KELLY'S HEROES" (144 Min) Clint Eastwood, Donald Sutherland (War-Comedy) THE FUN-FILM OF THE YEAR? Clint and Donald (M.A.S.H.) Sutherland, the latter as Oddball, a zany Tank Commander, go on a personal TAD after a vault of gold bars held by the Germans—and almost win the war! Their hilarious 30 mile advance into enemy territory is a put-on classic. (Rated GP)

SAT "THERE WILL BE NO MATINEE TODAY" -EVENING- MISS RIDGECREST. CHINA LAKE PAGEANT (8 p.m.)

SUN & MON "THE LAWMAN" (98 Min) Burl Lancaster, Robert Ryan, Lee J. Cobb (Western) Straight shootin' marshal who gets his man at any cost goes into a town to arrest the local leading citizen and runs into the paid-off sheriff. The arm of the law is long and mighty F.A.S.T!

TUES & WED "LITTLE BIG MAN" (137 Min) Dustin Hoffman, Faye Dunaway (Western-Satire) The tragic-comic history of Indian-white man relations as recalled by a warrior, swindler, gunfighter, mule skinner and the sole survivor of the Little Big Horn. DON'T MISS THIS FILM OF THE YEAR! (Rated GP)

THURS "SKULLDUGGERY" (105 Min) Burt Reynolds, Susan Clark (Adventure) The expedition probes the eerie wilds of the New Guinea jungle and discovered half-human, half-ape Tropis-The "missing link?" Their discovery leads to an emotional court trial regarding race and rights. (Rated GP)

FRI & SAT "INVESTIGATION OF A CITIZEN ABOVE SUSPICION" (115 Min) Gian Maria Volante, Florida Bolkan (Drama) Unknown cast in a superior film about a deliberate murder, a former Homicide Squad Chief and whether his political position can place him above suspicion of the crime. An unusual twist in an award film. (Rated R)

NO SHORT SUBJECTS

Kegler's . . . (Continued from Page 10) TURKEY SHOOT RESULTS Alice Cutsinger and Steven Harry rolled an 857 series to finish three pins ahead of Alex Ribulatan and Sherry Ray in the Turkey Shoot held last weekend. Ray Freascher and Jeanne Freascher had an 849 for third spot. Happy Thanksgiving!

THEORY DESTROYED Against my advice my son got his 12 1/2 lb. ball and promptly rolled a 499 series last Saturday in the Bantam League. I keep trying to tell him it's too heavy and he keeps putting it in the pocket. Back to the drawing board.

Have you seen RC's bandage? What was he doing, anyway?

Gym To Close

Ray Gier, NWC recreation director, has announced that the gymnasium will be closed the week of Nov. 22 for the purpose of resurfacing the floor. It will reopen on Saturday, Nov. 27, at 11 a.m.

Form with fields for 'From', 'TO', and 'PLACE STAMP HERE'.

Sam Yorty To Speak Here Monday

Sam Yorty, mayor of Los Angeles since 1961, who announced Tuesday that he is a candidate for the Democratic Party's nomination for President, will be the speaker at a meeting scheduled Monday night, starting at 8:15, at the Burroughs High School Lecture



Sam Yorty

Center. Arrangements for Mayor Yorty's appearance here for a talk about current unemployment in the aerospace industry and defense work in Southern California, were made by officials of the China Lake Chapter of the American Institute of Aeronautics and Astronautics and the American Society for Public Administration.

Admission to the Lecture Center to hear Mayor Yorty's talk will be by donations of \$1 for adults and 50 cents for students. Any money that is raised in excess of the amount needed to cover the expense involved in bringing Yorty here will be donated to the Combined Federal Campaign.

The controversial municipal administrator, sometimes called the "maverick mayor," will be the guest of the AIAA and ASPA at a dinner that is scheduled from 6:30 to 8 p.m. Monday at The Hideaway in Ridgecrest.

Members and wives of AIAA and ASPA members are invited to attend the dinner, but must make reservations in advance.

Yorty, who was re-elected 1969 to his third four-year term as Mayor of Los Angeles, launched his political career in 1936 when he won a seat in the California State Assembly as representative of the 64th District.

He also has served two terms in Congress, where he represented California's 14th Congressional District, but failed in his 1954 bid for the U. S. Senate when he was defeated by Sen. Thomas Kuchel.

In 1961, Yorty entered the mayoralty race in Los Angeles and defeated Norris Poulson, the incumbent, to become L.A.'s first Democratic Party chief executive in 40 years.



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Astronauts Train Here for Mission to Moon

Experience Gained in Geological Exploration by Apollo 16 Crewmen



ASTRONAUTS UNDERGO TRAINING—Desert terrain similar to the moon's volcanic highlands was given a careful scrutiny this week by Capt. John W. Young, USN, and Lt. Col Charles M. Duke, USAF, two of the three members of the Apollo 16 prime crew. The Astronauts were here on Wednesday and Thursday for training in geological exploration work identical to that they will be doing next March on the surface of the moon. —Photo by PH3 Ronald G. Mills

Valuable experience in geological exploration work, such as they will be doing if all goes well following their launch and flight to the moon next March, was gained by members of the prime crew for the Apollo 16 mission during a visit Wednesday and Thursday to the local desert area.

Here for exercises that combined both training in geology and use of 60mm and 500mm cameras which they will be equipped with during what is planned as a three-day stay on the moon were Capt. John W. Young, USN, the Apollo 16 commander, and Lt. Col. Charles M. Duke, USAF, the lunar module pilot.

In addition to these two members of the Apollo 16 prime crew, also here were Fred W. Haise, Jr., commander of the backup crew, and Capt. Edgar D. Mitchell, USN, the backup crew lunar module pilot.

During practice sessions similar to those held here in April for the benefit of the Apollo 15 astronauts, the prime and backup crews for the next U.S. manned flight to the moon followed a routine that involved travel in a lunar rover vehicle (called "Grover"), as well as exploration on foot.

The tests on Wednesday and Thursday were held at McCloud Flat (near Coso Hot Springs) and at Volcano Peak (a short distance north of Little Lake) two locations that were chosen because the terrain closely approximates that of the moon's volcanic highlands where the Apollo 16 spacecraft will be landing.

The tests are primarily a visualization exercise, being designed to test the astronauts' (Continued on Page 4)

HEW Officials Give Approval To School for Exceptional Children

Information that approval has been granted by the U.S. Department of Health, Education and Welfare for the funding of a school for exceptional children, which is to be built at China Lake, was brought back this week from Washington, D.C., by Grant Pinney, assistant superintendent for business of the China Lake

Test Results Show Local Pupils Tops

The position of the China Lake Elementary School District as a leader among school districts in Kern County was established by the recently-announced results of statewide tests that were given in May of last year.

According to information received from the office of Wilson Riles, State Superintendent of Public Instruction, students in the China Lake School District placed in the top 10 percent in five of the state-mandated tests, and was the only elementary school district in Kern County to make such a mark.

Students of the first, second, third and sixth grades were tested in reading, while those in the sixth grade also were tested in language and mathematics.

All school districts were ranked in the tests on a scale from a low of 1 to a high of 99. The median scores for the China Lake Elementary School District were (in reading), first grade, 92, second grade, 93, and third grade, 92. Scores of 90 in language and mathematics were posted by sixth graders at China Lake, who also rated an 88 in reading and 87 in spelling.

Elementary School District. "It's like a dream come true," Pinney remarked as he noted that the school for exceptional children, which will be Phase III of the total building program currently under way in the local elementary school district, is a project he has been working on for the past four years.

It's proposed that the school for exceptional children be located at Vieweg Elementary School, and an architect was here yesterday to see how much land will be needed for its development. If necessary, a request for additional land will be submitted to the Navy, Pinney said.

At the school for exceptional children, Pinney continued, there will be classrooms for the multi-handicapped, trainable retarded children, aphasic and deaf youngsters all clustered around a therapy center that will be equipped to meet the varying needs of those in attendance.

The new school will be completely built and equipped by the federal government with funds provided under the provisions of Public Law 815. During his visit last week to the nation's capital, Pinney also learned that HEW officials have approved preliminary plans for Phase II of the China Lake Elementary School District building program.

This action clears the way for the preparation of final working plans and later the calling for construction bids on the project. If it is possible to begin construction work by next March, the new buildings that are included in the Phase II program could be ready for occupancy next September, Pinney

Didn't Make Trip Since his part in the Apollo 16 will not involve landing on the moon, Lt. Cmdr. Thomas K. Mattingly II, USN, who is the command module pilot on the prime crew, was not here.

Capt. Young, who is 40, will be making his fourth space flight when Apollo 16 blasts off. He has flown on Gemini 3 and 10 and Apollo 10. Apollo 16 will be his first lunar landing mission.

This will be the first space flight for USAF Col. Duke, who was the backup lunar module pilot for Apollo 13, and space flight also will be something new for Lt. Cmdr. Mattingly, who was replaced as the prime command module pilot on Apollo 13 on the day before launch after being exposed to German measles.

Total in CFC Fund Drive Hits \$74,000

With 58 per cent of Naval Weapons Center employees participating, the 1972 fiscal year Combined Federal Campaign total contributions for the Ridgecrest-China Lake area have exceeded the amount donated last year by more than \$3,000. And there are still a few contacts unreported.

The figure now stands at \$74,000, or an average of \$26 per donor. Goal of the drive was 100 per cent participation. It became evident early that this was an "impossible dream," and the final participation percentage is actually lower than in 1971.

Six units, however, were re- (Continued on Page 12)



CONGRATULATIONS IN ORDER—It was a proud and happy moment earlier this week for Glenn M. Stubbs, electronics technician 3rd class, when he was called into the office of Capt. H. D. Parode (at left), head of the Command Administration Department, to receive a \$200 Beneficial Suggestion award. ETN3 Stubbs, a Digital Subscriber Terminal Equipment (DSTE) repairman, is shown being congratulated by Capt. A. E. May, NWC Deputy Commander, while Lt. Cmdr. C. E. Richno, Communications Officer, looks on. ETN3 Stubbs designed a set of bushing removers for use in DSTE repair work. This idea has been submitted to the Naval Electronics Systems Command for possible Navy-wide application, the savings from which could result in a possible additional cash award for ETN3 Stubbs.

Nov. 19, 1971 INSIDE . . . "Pop" Lofinck Dies . . . 2 Beauty Pageant Slated . . . 3 Aircraft Survivability Tested . . . 4 Photos of '49er Encampment . . . 5 Insurance Premiums Hiked . . . 6 Yule Parade Entries Sought . . . 7 Pay Boost Takes Effect . . . 8 Physicist Presents Paper . . . 9 Sports . . . 10 School Trustee Election Set . . . 11 Mayor Yorty To Speak Here . . . 12



THANKSGIVING STORY HOUR—Danny Cripps does an Indian dance as the highlight of the Thanksgiving Story Hour at the NWC Library...

Center Library Lists New Books

A complete list of new books is available in the library. Readers are reminded that all employees, regardless of residence, are eligible and most welcome to use the Center Library.

The Rocketeer

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H.G. Wilson Technical Director C.E. Van Hagan Acting Head



Jack C. Lindsey Associate Editor Jeanne Schreiber Editorial Assistant

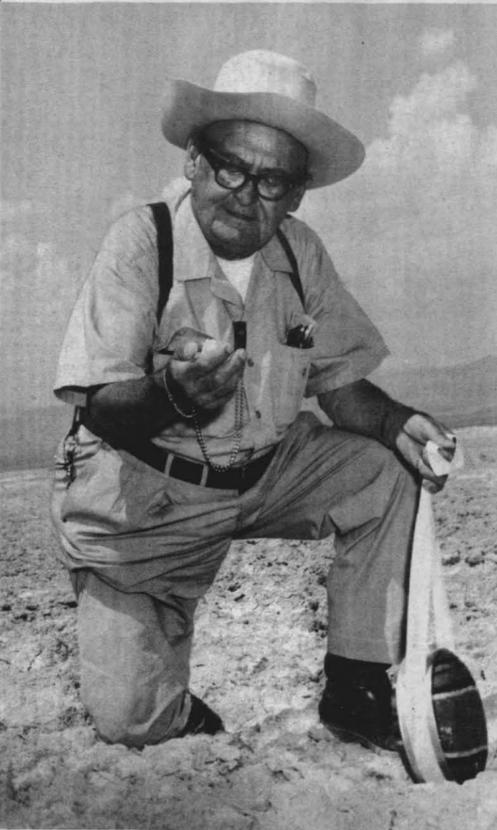
DEADLINES: News Stories Tuesday, 4:30 p.m. Photographs Tuesday, 11:30 a.m.

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad.

Instrument Maker (General) WG-33082-14, Code 4054, (2 vacancies)—Position is located in the Optical Design Branch, Code 4056...

Desert Philosopher Mourned



"POP" LOFINCK, doing what he enjoyed most, fooling around in "his" desert.

'Pop' Lofinck Passes Away During Death Valley Visit

Sewell "Pop" Lofinck, long-time range guard and ROCKETEER columnist, died last weekend while attending the annual Death Valley '49ers Encampment.

Pop was born Sep. 18, 1890, in Manhattan, Kansas, but the call of the great outdoors was to lure him away at the tender age of 14...

Seventeen years passed before he returned, driven by the depression to prospect for industrial metals.

In 1944 he started work at the Naval Ordnance Test Station as a material inspector at the Pilot Plant.

During the 15 years he was employed as a range guard, Pop escorted distinguished visitors to the Center and groups of school children...

But it was for his columns that the desert sage was known to most people. In one of his last columns, entitled "Life Is Sweet," Pop talked about his love for the desert...

(Continued on Page 11)

Lofinck Mourned at NWC . . .

(Continued from Page 2)

Edwards said of Pop: "Sewell Lofinck's philosophy is a viable, pragmatic philosophy. It doesn't preach; it doesn't temporize; it doesn't equivocate.

Edwards continued, "The Lofinck column often goes deep. It sometimes has the Emersonian touch, and smacks of an Ingersoll, or an Elbert Hubbard."

Pop shrugged the praise off with "Well now, I knew I was good, I didn't know I was that good."

Pop's booming, resonant voice was something to hear, especially over the telephone. When seeking information for a column he would begin a telephone conversation with "Well, YOU know everything . . ."

During his many years at China Lake, Pop associated himself with the various organizations and institutions that dealt with the desert and the perpetuation of its history.

Perhaps it is only fitting that Pop should end his days while attending a function of one of these groups.

Inspection Team Visits Center



CNM INSPECTION HELD—Vice Adm. G. E. Moore, II, head of the Chief of Navy Materiel Command Inspection Team, was greeted upon his arrival here last week by Rear Adm. W. J. Moran (at left)...



SPECIAL ELECTION SET—Registered voters of the China Lake Elementary School District will have the opportunity on Tuesday to vote for their choice among three candidates...

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

Electronics Engineer, GS-455-9-10-11 (2 positions), PD No. 7055024-2, Code 5523—Located in Guidance Evaluation Br., Electromechanical Div., Engineering Dept.

Electronic Technician, GS-454-9 thru 11 (1) Vacancy, Code 5522, PD No. 7150977—This position is located in the Fuze Project Branch II, Development Division I, Fuze Department.

Clerk-Typist, GS-322-3, PD No. 7150109, Code 5002—This position is located in the Fuze Department office.

File applications for above with Joan Macintosh, Code 657, ext 2371.

File applications for above with Naomi Campbell, Bldg. 34, Rm. 204, ext. 3118.

File applications for above with Pat Gaunt, Bldg. 34, Room 202, Phone 2723.

File applications for above with Naomi Campbell, Bldg. 34, Rm. 204, ext. 3118.

File applications for above with Sue Prasolowicz, Bldg. 34, Rm. 204, ext. 3277.

(Continued on Page 11)



Thrift Shop Gives \$650 To Combined Fed'l Campaign

A \$650 contribution from the Thrift Shop was made last week to the Combined Federal Campaign.

Stanley G. Reynolds, CFC fund drive chairman, promptly called Mrs. D. E. Zilmer, treasurer of the Thrift Shop...

The Thrift Shop, sponsored by the WACOM, has a standing practice, it was learned, of dividing most of its profits for the year.

The Thrift Shop, sponsored by the WACOM, has a standing practice, it was learned, of dividing most of its profits for the year.

Mrs. L. S. Licwinko is president of WACOM, and the Thrift Shop is run by co-chairmen Mrs. E. D. Casaroli and Mrs. J. L. Uhe.



By Jack Lindsey

I was sitting in the bowling alley with Bob Hooper when Sherry Ray said, "Did you know RC (Jones) cut his hand open and had to have 10 stitches?" Hoop looked worried. "Which hand?" he asked. Sherry looked a bit puzzled. "Why, his left," she replied. "Oh, well that's OK, then," said Hoop. "Huh?" she looked blank. "He's right handed, ain't he?" Oh!

AT LAST

The Premier League finally began to open up. Benny Whiteside cracked out a big 679 series and a triple-200 trophy shot with games of 210, 244 and 225 and Bob Tegowski had a 277 and a 227. We won't mention the 144 he shot with them. Dick Bauers, scourge of the golf pro shop, did it again this week, hitting 235 and 211 for a 640.

Ken Dalpiaz found the mark again this week and pounded out a 638 series on games of 228 and 215. Jack Leininger, not often in this column, hit a big triple-200 with scores of 213, 213 and 201-627. Congrats, Jack.

The aforementioned Hooper elevated his 179 average with a 231-618, and Dick Furstenberg had 222 and 203 for a 608 total. Joe Kokosenski, lovable "cigar," hit a 600 which included a 223 game. Big singles for the night saw newcomer Jim Chester (on the NAF team) with a 237 and Alex Ribultan with a 228.

Jim "Tiger" Peck was consistent with 147, 140 and 151 (438) and Ray Schreiber made the "loser of the week" with a 127 game. Almost in that category is the Tom's Place team, which couldn't win a game despite the fine shooting of Tegowski.

Ridgecrest Lanes leads but five teams are within 2 1/2 games of one another.

SINNER'S ALL

Rocky Brady went slightly "ape" last Sunday when he hit 202, 215 and 235 for a 652 series. The Brady Bunch (ho) had high team game and series with 1086 and 3051. Ann Brady (sounds more like "Family Affair" than the "Brady Bunch") had the high female series—478. Rusty Smith (a girl) whacked out a 191 single.

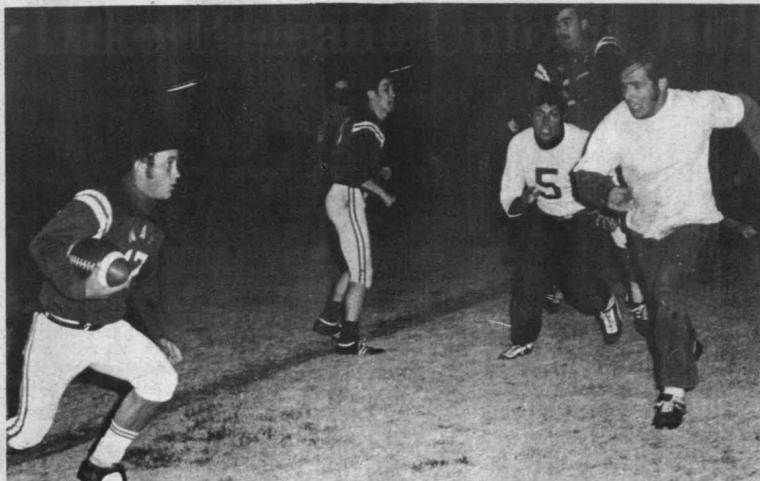
THURSDAY TRIO

The Downers were uppers with a 624 game and the MagPies didn't eat any crow with a series of 1680 on Thursday (Nov. 11). LaVon Roulund had a 553 series and Nita Martin came in second with 543. Joyce Reneau and LaVon each had a 222 single effort.

DING-A-LINGS

Some sprightly ding-a-lings known as the Brite Sprites took all the honors with a 787 and a 2224 team scores. Barbara Tunget was the high bowler with a 540 series and Gladys Bauers (who shot her first 500 series) had a 204 game.

(Continued on Page 12)



LOOKING FOR DAYLIGHT — NAF's Ron Hood turns the corner as the onrushing Wolves defense closes in. The NAF Hawks dropped the Wolves, 18-6, in Tuesday night's action. —Jack Learned Photo

## VX-5 Wins Squeaker From Docs To Tighten Flag Football Race

The league leading VX-5 Vampires inched closer to their fifth consecutive flag football championship by downing the NWC Dispensary gridders 19-14 in last week's action.

The tight pass defense of the Docs stymied the Vampires in the opening plays of the second quarter and the Docs gained control at the VX-5 19-yd. line.

The Corpsmen began to put their offensive machinery together as they drove to the Vampire 6, but were forced to punt at the 29 after two penalties.

VX-5 came roaring back on its next series with a 10-yard run by Jack Ahearn and two Bateman-Tom Haus passes to move the Vampires to the Docs' 13. With 21 seconds remaining in the half, Bateman found Dave Dembeck alone in the endzone for the touchdown. Johnson added the PAT to give the Vampires a 7-0 halftime lead.

## Burroughs, Victor Valley To Clash in Season Finale

The Burros varsity football team, odds-on favorites to finish the 1971 season with a three-game win streak and a 5-2 Golden League record, will tangle here tonight at 8 with the Victor Valley Jackrabbits.

Burros Played Well

Commenting on last week's game against the winless Falcons, Coach Bernhardt stated that the Burros' offense was explosive, both on the ground and through the air, and the defense also held up well.

He credited the Palmdale team with looking good on its first two series of offensive plays, but the Falcons suffered a letdown after Burroughs scored a field goal and two touchdowns to take a 17-0 lead part way through the second quarter.

Field Goal Scored

The Burros gridders scored the first time they had their hands on the ball by driving deep enough into Palmdale territory to enable Steve Robinson to boot a 37 yard field goal, his second of the season. Robinson also was successful on each of seven points after touch-

down.

The Corpsmen got the second half started on the wrong foot as Phil Estes saw his third down pass intercepted by the Vampires' Gino Sticca at the VX-5 30-yd. line. Sticca picked up some good blocking and ran the ball into Corpsmen territory at the 33.

Four plays later, the fired-up Vampire offense found the endzone again as Ahearn carried the ball in from the 17.

The clubs exchanged the ball on downs in the remainder of the third period with the Vampires moving to the Docs 2 yard line on a 50 yd. pass from Bateman to Haus.

On the first play of the fourth quarter, Ahearn went in from the 2 and the Vampires held a 19-0 advantage.

Corpsmen Get on Board

Two passes to Tom Thompson brought the Docs into scoring

position at the Vampire 16. A second down draw play had Rich Ikebuchi packing the ball in for the TD. A pass over the middle to Thompson added the PAT to put the Corpsmen on the scoreboard, but on the short end of the 19-7 score.

With 1:53 remaining, the Corpsmen scored on an Estes-Thompson pass play. A flare pass to Ikebuchi added the extra-point and the Dispensary crew was in the thick of the battle, down only five points, 19-14.

VX-5 kept the ball on the ground to run out the clock for the victory.



"SHE'S" A CUTIE — Little Susie, a guard for the California Cuties cage team, demonstrates ball control in preparation for the game between the Cuties and Loewen's TV scheduled for the Burroughs High School gym Nov. 29 at 8 p.m. The Cuties are composed of talented men players who dress in ladies' clothes and are hailed as the world's funniest basketball team. Tickets for the game are priced at \$1.50 for adults and \$1 for students. Susie is only 38 inches tall. The game is sponsored by the Burroughs High School Lettermen's Club.

## Basketball Entry Dates Set by Gier

Entries are now being taken for the 1971-72 Intramural Basketball League season at China Lake, it was announced this week by Ray L. Gier, NWC recreation director.

The Intramural League is open to participation by both military personnel and civilian employees of NWC, and team rosters, limited to 10 players each, must be submitted to the Special Services Office (Code 885) no later than 4:30 p.m. on Friday, Dec. 3.

The Intramural Basketball League will be divided into two divisions and, at the conclusion of league play, a double elimination tournament will be held in which the four top teams from each division will complete for the league championship.

Arrangements for team practice sessions can be made by calling the intramural sports director at NWC ext. 2334.

## Youth Center Seeks Cagers Ages 12 to 18

According to Marty Denkin, director of the NWC Youth Center, the registration of boys 12 to 18 years of age in the Junior and Senior Divisions of the Youth Center Basketball Leagues is continuing this week.

Boys interested in signing up for either of these two leagues are asked to contact Denkin at the Youth Center. The registration will end Monday for everyone with the exception of boys still competing for openings on school basketball teams.

# Miss Ridgecrest-China Lake Pageant Unfolds

## Theatre Stage Scene of Local Beauty Show

Seven local girls will vie for the Miss Ridgecrest-China Lake title during a program that is scheduled on Saturday night, starting at 8, at the Naval Weapons Center Theater.

The girls, Rebecca Leigh Moulton, Susan Lorene Lubben, Melinda Annette Kirkpatrick, Debra Jean Cornelius, Susan Jeanne White, Peggy Cecilia Davis and Virginia Lee Keyte, will compete for the coveted crown under the sponsorship of the newly-formed Miss Ridgecrest-China Lake Pageant Association, Inc.



Debra Jean Cornelius



Peggy Cecilia Davis



Virginia Lee Keyte



Melinda Annette Kirkpatrick

Photos by Gene Edwards

requires a year-round effort and staff continuity, not only to produce the annual pageant, but to continue to increase the scholarship fund, the number of participants, and the quality of the production."

The awards for the winner of this year's pageant include a \$400 scholarship at the college of her choice and entry into the Miss California Pageant, where she might win further scholarship awards.

The first runner-up will receive a \$200 scholarship from the local Association and second runner-up will be awarded a \$150 scholarship. All others will receive \$50. In addition, Childers noted, Miss Congeniality will receive \$100.

The board of directors of the Pageant Association, which includes (in addition to Childers) Rita Lane, Gene Edwards, Glen Harbin, Mabel Hawley, Lynne Bradberry and Duane Blue, have worked energetically to bring a full-fledged and exciting program



Susan Lorene Lubben



Rebecca Leigh Moulton



Susan Jeanne White

to the Center Theater stage Saturday night.

Under the direction of Sandy Schaper, Mistress of Ceremonies Susan Anton, Miss California of 1969 and second runner-up in the Miss America finals of 1969, will introduce a program of entertainment to highlight the pageant itself.

Alex Bellen, whose rich baritone voice was heard recently as Tevye in the Community Light Opera and Theater Association's smash hit "Fiddler on the Roof," will perform as will Barbara Lewis, the 1970 Miss Ridgecrest-China Lake

Pageant winner. In addition, Sue Anton will be featured in a solo number and she will lead the contestants in a production number early in the evening.

## Drive To Raise Funds For Fair Building Set Sunday

An all-out effort to raise the remaining \$5,000 that is still needed in order to make a \$22,000 down payment on the construction of a permanent exhibit building at the fairgrounds in Ridgecrest will be launched at noon on Sunday.

A radio marathon, utilizing the facilities of Radio Station KLOA in a remote broadcast from the Ridgecrest city hall and the Community Center on the Naval Weapons Center, combined with a door-to-door fund solicitation, is planned covering China Lake, Ridgecrest and Inyokern.

Sam McMullen will be in charge of the non-stop radio broadcast and, thanks to the cooperation of the Continental Telephone Co., extra phone lines will be available at the Ridgecrest City Hall, at the China Lake Community Center, at the Kern County fire station in Inyokern, and at the Baker Brothers Furniture Store in Trona where reports will be taken of donations, as well as telephone calls from those wishing to get in on the fund drive band wagon.

This is a combined community project for the entire local desert area, not just a Desert Empire Fair undertaking, those in charge of the fund-raising activity emphasize.

Once the exhibit building at the fairgrounds has been completed and equipped, it will be available for year-round use by all groups and organizations having needs of its facilities.

During the height of the radiothon, Merle Haggard, one of the nation's top country and western music recording stars, will be at the Ridgecrest City Hall between 1 and 2:30 p.m. to help add interest to the fund-raising effort.

Raising money for a permanent exhibit building at the fairgrounds has been a project spearheaded by a committee under the direction of Roy Martin, who reports that plans call for the construction of a structure 80 ft. wide and 150 ft. long.

A large meeting room, catering kitchen, refreshment lounge, fair office, restrooms and storage area all are planned as part of the new building, which will have a capacity of approximately 1,700 persons, Martin said.

After the down payment has been made and initial construction work completed, it is anticipated that rental of the building and its facilities will help meet future payments until the structure is completely paid off.

## Microwave Ovens Can Be Dangerous

Microwave ovens, the NWC Safety Department points out, have their merits, but also their problems. Recently, a girl in need of a snack found this out. She put two hard boiled eggs, already peeled, into one of the ovens for a quick warm-up.

The eggs hadn't been in the oven very long and were not hot to the touch when she bit into one. An explosion ripped the egg apart, sending yolk flying, mostly over the girl's face and eyelids; she was also burned on the lips, tongue and cheek.

The microwave oven had heated the interior of the egg, and the white was just strong enough to hold it together.

Freak accident? Maybe—but the same incident was duplicated under controlled conditions.



RADM. W. J. MORAN, NWC Commander, receives the first ticket to attend the gala affair Saturday night at the Center Theater from Marty Sullivan, secretary of the Miss Ridgecrest-China Lake Pageant Assn. —Photo by PH3 Ronald G. Mills

## Aircraft Survivability Tests Conducted Data Exchanged During Meeting

An exchange of information on aircraft survivability work was the purpose of a recent one-day meeting held at the Naval Weapons Center which was attended by some two dozen representatives of the Army, Navy and Air Force, as well as the aviation industry.

The visitors were given an opportunity to witness a full-scale dynamic test of an A-4 Skyhawk aircraft at NWC's Aircraft Survivability Range (located in the K-2 range area).

Arrangements for the meeting here were handled by John Fontenot, project engineer, and Charles E. Walden, program manager of the Aircraft Survivability Program which is included in the workload of the Systems Development Department's Advanced Systems Branch (Code 3014).

Co-host of the meeting was Cmdr. M. L. Johnson, from the Naval Air Systems Command in Washington, D. C.

Witnessed by the visitors to K Range was a test involving the firing of 12.7mm ammunition at a target which was the fuel system of an A-4 Skyhawk aircraft. Purpose of the test was to determine the vulnerability of the aircraft's fuel system to impact from this kind of ammunition.

On the same day, a second test was run on the fuselage of an A-4 equipped with a passive protection kit.

Personnel at the NWC Aircraft Survivability Range perform research and development work that is aimed at improving the combat safety of Naval aircraft. The Aircraft Survivability Range is equipped to handle ballistic

### Blazek To Speak At IEEE Meeting

Henry F. Blazek, manager of NWC's Microcircuit Development Laboratory, will speak on "Microcircuit Systems of the Future" at the regular monthly meeting of the Institute of Electrical and Electronics Engineers, Inc., scheduled for Monday at 11:30 a.m. in the Commissioned Officer's Mess.



**AIRCRAFT VULNERABILITY TESTED**—The A-4 Skyhawk being tested is shown mounted on the main test stand at the Aircraft Survivability Range. Army, Navy, Air Force and industry visitors were on hand to witness a recent full-scale dynamic test of the vulnerability of the aircraft's fuel system to 12.7mm gunfire.

testing of everything from small components all the way up to a complete aircraft.

Tests are run in order to develop more ballistic resistant components for aircraft fuel and propulsion systems.

Among those in attendance at the recent meeting here were

representatives of the Air Force Systems Command and the National Aviation and Space Administration's Ames Research Lab at Moffett Field, Calif., as well as those from North American Aviation, the Boeing Corp., McDonnell-Douglas Aircraft, Bell Helicopter, and the Northrop Corp.



**ASTRONAUTS Young and Duke** (above) try their hand at operating a model of the lunar rover. In photo at right is Capt. Duke, the Apollo 16 lunar module pilot.



**ENDS ACTIVE DUTY TOUR**—Chief Aviation Ordnanceman Donald P. Shafer, weapons line chief in the Operations Maintenance Department at the Naval Air Facility, is shown being "piped over the side" during recent ceremonies held at NAF to mark the completion of 20 years of active duty and transfer into the Fleet Reserve. AOC Shafer, who has served at NAF for the past 14 months, left here for his new home in Florence, Ky.



## Astronauts Train Here . . .

(Continued from Page 1)  
ability to describe what they see and convey this information by radio to observers who are well out of sight of the actual test area.

**Chief Coordinator**  
Dr. Edward Wolfe, from the Center of Astrogeology at Flagstaff, Ariz., was the coordinator for this exercise, and among those in the "back room," a blind some distance removed from the sites being explored by the astronauts was Dr. Anthony England, mission scientist for the Apollo 16 flight to the moon.

Also present to observe and help guide the training exercise was Bill Muehlberger, one of the principal geology investigators involved in the Apollo 16 program; Dr. Bill Pinney and Dr. Fred Horz, two National Aeronautics and Space Administration geologists; and George Ulrich, Bob Sutton, Ken Hait and Dr. Val Freeman, all representatives of the U.S. Geological Survey.

Prominent in the planning of this second Apollo program test exercise in the local area was Dr. Leon T. Silver, a geologist from CalTech.

**Moon Landing Site**  
Landing site for the Apollo 16 spacecraft, following its launch in March, will be an area of relatively smooth, hummocky or rounded and hilly highlands near the crater Descartes having features similar to volcanic terrain on earth.

The Descartes site is near the center of the visible face of the moon, and lies in the central lunar highlands in one of the highest regions of the earthside hemisphere.

The site is expected to yield two important cross sections of lunar composition which will help scientists fill some of the gaps in their knowledge of the moon's

structure and structural evolution gained from previous landing missions.

**More Knowledge Gained**  
Information collected from the Descartes site will widen the knowledge of the lunar surface when it is combined with data gathered from the lunar mare (sea) sites of Apollo 11 and 12, the Fra Mauro uplands visited by Apollo 14, and the high mountains and rille or gorge region at Hadley-Appennine explored by the Apollo 15 crew.

During their three-day stay on the moon, the Apollo 16 astronauts will lay out a science station for relaying earthward continuous data on the moon's magnetic field, surface and subsurface heating, and moonquakes. The radio-isotope-powered station is called the Apollo Lunar Surface Experiment Package (ALSEP) and has been carried on each mission, with some variations in experiments, since Apollo 12.

Not all scientific investigations of Apollo 16 will be done on the moon, for as on Apollo 15, the Apollo 16 service module Scientific Instrument Module Bay will be crammed full of high-resolution cameras, geochemical sensors, and a mini-satellite to be ejected into lunar orbit for long-term measurements of gravitational and electrical characteristics of the moon.

Exploration mobility during the Apollo 16 mission will be extended as it was in Apollo 15 by the use of the lunar roving vehicle, a small four-wheeled, electric-powered car. The Apollo 16 landing crew will leave the lunar module three times during the three days they are on the lunar surface—each exploratory excursion lasting up to 7 hours.

Dr. E. Ronald Atkinson, a senior physicist with the Fuze Department, made the presentation to the



**DURING PRACTICE** here, the Apollo 16 Astronauts first entered this simulated lunar module. From it they radioed descriptions of the terrain they could see before getting out and exploring afoot and in the lunar rover.  
—Photos by PH3 Ronald G. Mills

## Entry Open In Contest For Tech Writers

The Southern California Region of the Society for Technical Communication (STC) is sponsoring a publications competition.

Entries must have been produced between March, 1970, and January, 1972.

Entries in the contest will be accepted in the following six categories: Technical Reports (engineering, scientific, business, medical, etc.), Brochures, Manuals-Handbooks (military and commercial), Employee Publications (house organs), Procedures-Specifications, and Proposals.

Three awards—a plaque for the Distinguished Technical Publication, a Certificate of Excellence, and a Certificate of Merit—will be given in each category. The contest started on Oct. 20 and ends on Jan. 14.

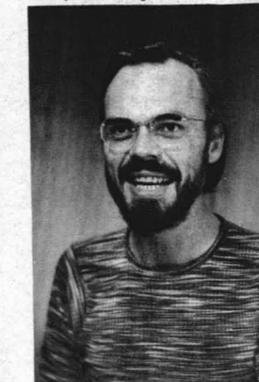
This contest is open to anyone engaged in the field of technical publications; it is not limited to STC members. Complete contest information will be sent out in the very near future.

Anyone wanting further information or contest entry blanks should contact C. A. Creider, Jr., at NWC Ext. 3671 or 3672.

## NWC Physicist Presents Paper In Canada

What happens when electromagnetic radiation excites electrons in various materials was the subject matter of a paper presented recently by a NWC scientist at an international science meeting in Canada.

Dr. E. Ronald Atkinson, a senior physicist with the Fuze Department, made the presentation to the



**Dr. E. Ronald Atkinson** Fourth International Congress on Quantum Chemistry. The meetings were held in Vancouver.

Electronic properties of widely used solid state devices are thought to be largely the result of these excitations. The same electronic excitations are proposed as possibly responsible for such major living tissue effects as aging, cancer, and mutations, according to Dr. Atkinson.

The invited paper on the interaction of radiation with matter, was the result of research supported by the Office of Naval Research, the Department of Health, Education and Welfare, the University of California, and an NWC fellowship.

"What an exciting trip," Hal said. "The South Nahanni contains a waterfall higher than Niagara and a canyon deeper than the



**WELCOME EXTENDED**—David R. Heebner was greeted upon his arrival here Monday morning at the Naval Air Facility by Rear Adm. W. J. Moran, Commander of the Naval Weapons Center. Heebner, who is the Deputy Director (Tactical Warfare Programs) in the office of the Director of Defense for Research and Engineering, was here for a series of technical briefings along with four members of the Air Munitions Requirements and Development Committee. The latter group is headed by Army Col. J. R. Lauer, as chairman.

## Bennetts Combine Work, Marriage

(Continued from page 7)  
Klamath at a spot where the Bennetts had been staying.

They have traversed the upper Grand Canyon and the treacherous lower Grand Canyon, including the dangerous Lava Falls, in the slight foldboats (a trip Jean wrote about for the American Whitewater journal), and have kayaked down the Macmillan River in the remote wilderness of Canada. They also have packed their foldboats into the Utah canyon country to explore the waterways of Glen Canyon and together have discovered the Olympic Peninsula in Washington.

In each case the Bennetts and fellow travelers have filmed the journeys. These films have been shown far and wide to many interested groups. Jean has written about most of the trips for the Roadrunner, a publication of the Sierra Club. Much of what they have seen and visited has been presented in lectures for the Maturango Museum, and Jean is currently president of the museum's board of trustees.

In 1969 a new dimension was added to their traveling. They were invited on a trip to Alaska with Floyd Kinder in Kinder's aircraft. Hal thought it wise to learn "a little about flying in the event something happened to Floyd while they were airborne."

"Hal," Jean said, "should have known better. He can't do anything halfway." By the time the trip came around, Hal was the possessor of a student pilot's license and according to him "did most of the flying, which was excellent on the job training."

The love for flying caught them and the Bennetts bought a Cessna 182. They recently flew it to Alaska (their sixth trip to the last frontier), for the purpose of foldboating down the South Nahanni River, located in the Northwest Territory of Canada.

"What an exciting trip," Hal said. "The South Nahanni contains a waterfall higher than Niagara and a canyon deeper than the

Grand Canyon, and yet very few people have heard of it." The Bennetts, of course, made films and are planning to show them to Valley residents soon. After the trip down the river they recovered their aircraft and flew the same route, adding to their knowledge of the area.

They've climbed mountains: Their most exciting climb was up glacier-ridden Mt. Olympus, and their most adventurous climb was up the mountaineer's route of Mt. Whitney with two beagle dogs. "Try that sometime," Hal grinned. They're presently training two Alaskan-born and bred Siberian huskies to pull their bicycles (plus obedience training) and are planning another trip through "white water" for next summer.

For many years Jean has been busy writing a biography of Dr. Albert Michelson, famous pioneer of the field of optics, (nearly completed) and borrowed a phrase from him when asked why she and Hal lived the way they do. "Because," she said, "it's such good fun."

## Holiday Hours Listed For NWC Facilities

Next Thursday, Nov. 25, is Thanksgiving Day and many business and recreational facilities on the Center will be closed for the holiday.

The Commissary Store will close on Thanksgiving, but will reopen for business as usual on Friday, Nov. 26.

Special Services facilities that will remain open on the holiday include the Theater, Hall Memorial Bowling Lanes and the golf course. All other Special Services activities will close.

Navy Exchange facilities, with the exception of the EM Club and the snack bar at the bowling alley, also will be closed.

All Employee Services Board facilities will close.

## Happenings Around NWC

Bob Furey, manager of the Jolly Roger (EM Club), announced that "The Glass Flame" will play for a dance tonight at the club, and "Chain of Fools" have been booked for tomorrow night's entertainment. "The music begins at 9 and will go until 1:30 a.m.," Furey said.

All members of the club and their guests are invited to take part in the weekend's festivities.

**WATCH COLLECTORS**  
The monthly meeting of the National Association of Watch and Clock Collectors, Inc., will be held in Ridgecrest on Sunday, beginning at 2 p.m. A program of woodwork clocks is on the agenda. For further information, call 375-8159.

**CHAPARRAL CLUB**  
The "Transitions," formerly "The Night Crew," will play for a dance at the Chaparral Club on Saturday, from 9 p.m. until 1 a.m. All members and their guests are invited.

**PERUVIAN TRIP**  
The China Lake Mountain Rescue Group will present a slide show, "Climbing the Peruvian Andes," Nov. 30 and Dec. 1 at 7:30 p.m. at the Vieweg Elementary School auditorium. A donation of \$1 for adults and 50 cents for students to help the group buy rescue equipment will be asked.

**ART LEAGUE SPEAKER**  
Virginia Sheriff, of San Bernardino, will be the featured speaker at Monday's meeting of the Desert Art League, which begins at 8 p.m. at the Community Center. Mrs. Sheriff will give an illustrated talk on "Psychology of Color and Movement as Related to the Spoken Word."

**PWOC LUNCHEON**  
The annual Christmas luncheon of the Protestant Women of the Chapel (PWOC) has been scheduled on Tuesday, Dec. 7, with Mrs. Don (Lorraine) Austin, of Glendale, as guest speaker. Those requesting reservations are asked to call Mary Ward, 446-2208, or Edle Karlstrom, 446-3678. Price of the luncheon is set at \$1.25, and will begin at 11:30 a.m. Baby sitting service will be available.

**FRENCH FILM SLATED**  
The NWC French Club, in conjunction with the Associated Student Body of Bakersfield College, Desert Campus, will present de Broca's film classic, "Cartouche," starring Jean-Paul Belmondo and Claudia Cardinale

on Nov. 23 at the Burroughs Lecture Center. The film will be shown one time only, at 8 p.m. General admission is 75 cents and 50 cents for holders of the College Services Card.

**POPULATION DEBATE**  
The Rev. Paul W. Neipp, of Our Savior's Lutheran Church, and Dr. Pete Pinto, local pediatrician, will debate the question of population—Neipp says there is no boom, Pinto says there is—at 7 p.m. Mon., Dec. 6 at the Burroughs Multi-Use Room, located on the campus.

According to Gretchen Essig, president of the Bakersfield College, Desert Campus Ecology Club, sponsors of the event, admission will be free and all are invited.

## WACOM Set For Big Rush To Yule Bazaar

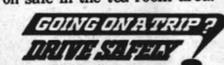
With the Yuletide season just around the corner, China Lake residents will have the opportunity to get into the holiday mood by a visit today or tomorrow to the 1971 Christmas Bazaar at the Community Center.

The bazaar, an annual event sponsored by the Women's Auxiliary of the Commissioned Officers' Mess (WACOM), will remain open until 9 o'clock tonight, and will be open from 10 a.m. to 9 p.m. on Saturday.

For this special occasion, the main auditorium of the Community Center has been transformed into a colorful "Santa's Village" of red and white booths where a wide variety of items, ranging from potted plants and Christmas cards to homemade candies and handmade candles, will be offered for sale.

All proceeds from sales made at the various booths operated by some 20 local clubs and organizations are earmarked for charitable or civic purposes, including scholarships.

For bazaar patrons whose appetites are teased by the snacks and goodies that will be offered for sale, WACOM members are serving sandwiches, hot dogs and desserts at "Mrs. Claus' Kitchen," where WACOM cookbooks also are on sale in the tea room area.



**EXTRA EFFORT RECOGNIZED**—Myron R. (Mel) Smith (at left), a structural iron worker in the Public Works Department's Maintenance Utilities Division, was the recent recipient of a sustained superior performance award. The presentation was made by Capt. W. H. Sturman, Public Works Officer. Smith was cited for his significant contributions to nine special research projects assigned to Code 603. He assisted in the design, fabrication and field testing of devices for various projects, and is the co-inventor of one of them (TINDERBOX).  
—Photo by PHAN D. W. Yeatts



### Pay Boosts For Military Take Effect

Pay raises (principally for Armed Forces personnel with less than four years' service) and longevity pay increases for military men and women—all enacted in September but held up by the 90-day wage and price freeze—went into effect Sunday and will be showing up on paychecks that are to be distributed on Nov. 30.

Military men and women who became eligible for longevity step increases, which also were frozen during the period from Sept. 1 through Nov. 13, will not, however, be entitled to a retroactive pay boost for any time prior to Nov. 14.

In addition to the foregoing, an increase in the basic allowance for quarters for all active duty military personnel is now in effect.

The monthly rates of basic pay are changed as follows:

Pay grade O-2 (2 years or less), \$570.30; O-1 (2 years or less), \$495; O-1 (more than 2 years service), \$515.40; E-7 (2 years or less), \$443.40; E-6 (2 years or less), \$382.80; E-5 (2 years or less), \$336.30; E-4 (2 years or less), \$323.40; E-4 (more than 2 years service), \$341.40; E-4 (more than 3 years service), \$361.20; E-4 (more than 4 years service), \$389.40; E-4 (maximum over six years service), \$405.

Pay Grade E-3 (2 years or less), \$311.10; E-3 (more than 2 years service), \$328.20; E-3 (more than three years service), \$341.10; E-3 (maximum over four years service), \$354.60; E-2 (maximum two years or less), \$299.10; E-1 (maximum two years or less), \$268.50.

Changes made in the basic allowance for quarters rates for military personnel with and without dependents are:

Pay Grade O-10, O-9, O-8 and O-7, \$230.40 and \$288; O-6, \$211.80 and \$258.30; O-5, \$198.30 and \$238.80; O-4, \$178.80 and \$215.40; O-3, \$158.40 and \$195.60; O-2, \$138.60 and \$175.80; O-1, \$108.90 and \$141.60.

Pay Grade W-4, \$172.50 and \$207.90; W-3, \$155.40 and \$191.70; W-2, \$137.10 and \$173.70; W-1, \$123.90 and \$160.80; E-9, \$130.80 and \$184.20; E-8, \$122.10 and \$172.20; E-7, \$104.70 and \$161.40; E-6, \$95.70 and \$150; E-5, \$92.70 and \$138.60; E-4, \$81.60 and \$121.50; E-3, \$72.30 and \$105; E-2, \$63.90 and \$105; E-1, \$60 and \$105.

### Freeze Lifted On Periodic Step Increases

The freeze of periodic and quality within-grade step increases for Civil Service personnel that began on Aug. 15 has now been lifted.

Payment for all step increases that had been frozen since mid-August freeze date was begun on Nov. 14. There will be no retroactive payments for the period from Aug. 14 through Nov. 13.

Step increases having an effective date of Nov. 14 or later will be processed under normal procedures.

### FEW MARINES DRAFTED

In 1968 about 2 per cent of all enlisted Marines were draftees.

miles per hour.

The winner of the California 1,000 Air Race was Frank Saunders, an ex-Naval aviator, from Santa Ana, who was at the controls of a modified Sea Fury. Saunders was clocked at an average speed of 346.55 mph.

The pilots flew their propeller-driven planes for 41 laps around the course in a race that covered 1,000 kilometers, or about 620 miles. Entrants were required to make at least one pit stop, which lasted about five minutes.

### Employees To Get W-2 Form Address Card

Distributed with today's paychecks for civilian employees of the Naval Weapons Center will be address cards that are required to facilitate the mailing out of 1971 W-2 (withholding tax) statements.

Employees are asked to fill out the address card, putting in their correct mailing address, and then forward it to the NWC Payroll Office, Code 1764, in order for it to be received no later than Friday, Dec. 3.

### Capt. Birdwell Among Leaders In Air Race Held Sunday at Mojave

Capt. "Tex" Birdwell, Commanding Officer of Air Test and Evaluation Squadron Five, came in unofficially fifth out of 20 qualifiers (with a possibility of official fourth place) in the California 1,000 Air Race held last Sunday at Mojave.

Capt. Birdwell piloted a stock F4U-4 Corsair I, a World War II fighter aircraft, around the 15-mile course.

It is interesting to note for aviation buffs that Capt. Birdwell was out-raced only by highly modified, professionally prepared Sea Furies and modified F-51 Mustangs.

Those responsible for the outstanding performance of the stock model aircraft flown by the VX-5 Commanding Officer were the pit crew, all volunteers from China Lake.

Its members were Lt. Cmdr. Jess Carman, Arnie Vang and Robbie Robinson, both representatives of Ling Tempco Vought, ADJ1 David Zegers, ADJ2 Gordon Blackledge and AMS2 Thomas Hoey.

Race officials reported that Capt. Birdwell, during time trials on Saturday, turned the fastest lap on the 15.15 mile pylon marked race course ever recorded by a stock Corsair I when he was clocked at a speed of more than 350



**TOP JOB REWARDED**—Kenneth Marcus (second from right), was the recent recipient of a Sustained Superior Performance Award for his extra effort while serving as a personnel management advisor for the Propulsion Development Department. In addition to his PMA duties for Code 45, Marcus was involved in a number of Center-wide personnel functions, including a study into the feasibility of implementing a four-day, 40-hour week. Marcus is shown being congratulated by Ray Harrison (standing), head of the Personnel Department. Others seated are (at left) Nancy Cleland and Wilma Smith, who received 5- and 20-year length of service pins, respectively, and Bruce MacIntosh (at right), who also received a 5-year pin. —Photo by PHAN D. W. Yeatts



**POLICEMAN GETS \$50**—His idea for securing night sticks inside the doors of police vehicles was worth \$50 to Frank Wilson (at left), a China Lake policeman, who is shown being congratulated by S. L. Kaupp, head of the Police Division. The cash award was presented to Wilson under the Beneficial Suggestion Program.

### New School...

(Continued from Page 1)

increase for China Lake teachers into the district's next payroll.

The pay boost was approved last June by the China Lake Elementary School District's board of trustees, but, due to the freeze on wage and price increases, was not put into effect when schools re-opened in September.

Pinney learned that the local elementary school district was free to pay the increased salaries, starting this week, but retroactive action on the pay boosts has not been authorized.

Nov. 22 is the DEADLINE for Christmas Space Available Mail overseas—S.A.M.



**KENNEDY SHIPS FOR SIX** — Lt. Cmdr. C. E. Richno, NWC Communications Officer, signs the reenlistment papers for Radioman Second Class Maxwell W. Kennedy, (looking on), who shipped over for six more years in the Navy. Kennedy had served 13 years and 3 months prior to his reenlistment. He and his wife, Trudy, and two children Kerri Lynn, 2, and Maria Louise, nearly a year old, reside at 121 Searles St., in Wherry Housing.

# Annual '49er Encampment Big Success



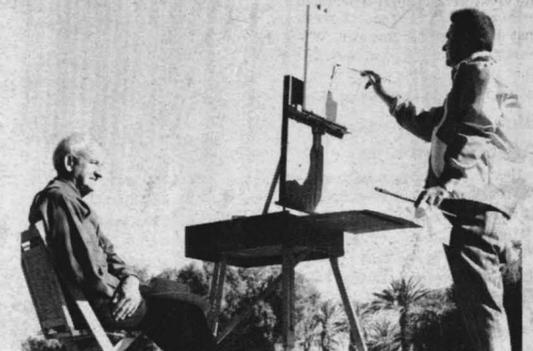
**AN INVITATIONAL ART** exhibit in the patio of the Visitors Center at the Death Valley National Monument was inspected by some 10,000 persons during the four-day '49er Encampment. Jim Rozzi, of Las Vegas, won the first place award in the open classification for his oil painting entitled "Two for Wells Fargo." William Hall, another Las Vegas artist, garnered first place in the invitational exhibit for his oil painting "Hotter Than Hell."



**DEAN LEMON**, an official of the U.S. Borax and Chemical Corp., was elected to serve as 1972 president of the Death Valley '49ers, Inc., during a business session held at this year's encampment. Attendance at this year's event, which was marred by high winds and blowing sand and dust on Friday morning, totalled 29,504.



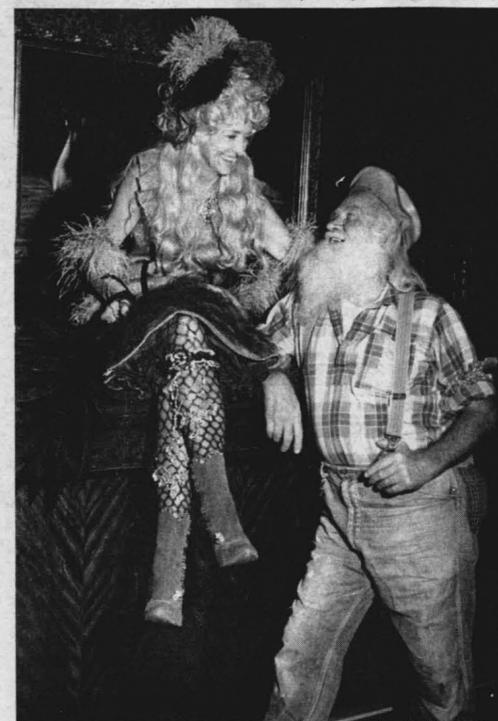
**A \$100 AWARD** was won by Rod Ayers (center) of Lone Pine, who placed first in the annual Burro Flapjack Sweepstakes Saturday afternoon at Stovepipe Wells. Shown with Ayers are Helen "Diamond Lil" Wallace (at left) and Indian Princess White Feature. Spectators at this event reportedly numbered 3,340.



**DR. THOMAS CLEMENTS**, a director of the Death Valley '49ers, Inc., who was in charge of conducted tours at this year's event, sits for his portrait in oil by Leslie B. DeMille, one of the many well-known artists who attended the artists' breakfast.

Photos By

Frederick L. Richards



**TWO OF THE WESTERN** characters visitors to the Death Valley '49er Encampment found at the Stovepipe Wells Tavern were Helen "Diamond Lil" Wallace and "Tumbleweed" Harris.



**THE CROWD AT THE Sunday morning artists' breakfast** totalled more than 750 persons. Bill Bender, a well-known western painter, was chairman of the event at which the annual auction of artists' work, conducted by Ardis Walker of Kernville, brought a top figure of \$1,750 for one western painting. Awards and ribbons also were presented to art exhibit winners.



30-YEAR PIN PRESENTED—John E. Howery, an inspector (PW structures) in the Public Works Department's Maintenance Control Division, recently was awarded a 30-year federal service pin by Capt. W. H. Sturman, Public Works Officer at NWC. A native of Devon, Mont., Howery became a government employee following World War II service with the Coast Artillery. He came to China Lake in March, 1946, as a helper general in the Housing Division.

### Search For Lost Hunter Called Off

A search for an overdue hunter was called off by the Kern County Sheriff's office after the missing man walked into an occupied camp Sunday afternoon and ended his ordeal.

Although members of the Indian Wells Valley Search and Rescue Team were not needed, 18 of them had reached Kelso Valley, located in the Piute Mountain area, southwest of Lake Isabella, and were prepared to initiate a search for the lost outdoorsman. Had the man not reached safety, a search for him would have been started and probably in plenty of time.

"This is very important," said Sam Wyatt, captain of the IWV Search and Rescue Team. "The team wishes to emphasize the need for promptly notifying law enforcement authorities when someone is believed to be overdue, or in trouble.

"In this way," Wyatt noted, "emergency assistance can be quickly set in motion. There is nothing more satisfying than hearing that the person is safe and sound, even after the team has departed in response to the call."

The dry run, (as it turned out), was important also, for it gave the team valuable practice in packing up and getting vehicles ready for a search.

Deputy Sheriff Don Glennon called the team into action by placing a telephone message with one of the three women who standby on a 24-hr. basis for such calls for help. The women, Nancy Carter, Clara Flood and Martina Camphausen, rotate times when they will "be available" for messages from an emergency organization (such as the Kern County Sheriff's Department), and are proficient in contacting individual team members for the rescue operation.

The team members responding to last weekend's emergency, in addition to Wyatt, were Bob Wilhelm and Dr. Carl Austin, lieutenants in charge of surface and underground search missions, respectively, and Gary Peek, Fred Camphausen, Steve Freeman, Ron Smith, Dick Aldrich, Charlie Rodgers, Clyde Parker, Ches Clark, Win Wyatt, Frank Peck, Bill Burns, Al Flood, Rick Davis, John Patton and James Peachee.



20-YEAR PINS PRESENTED—Four employees in the Public Works Department were called in recently to receive pins from Capt. W. H. Sturman, Public Works Officer (at right), denoting completion of 20 years of federal service. The recipients were (from left) Ralph L. McClendon (Engineering Division), Kenneth P. Jones, Thomas A. Wilson and William H. Smith (Maintenance-Utilities Division). McClendon, Jones and Smith all put in their full 20 years at China Lake. Three other employees of the Maintenance Utilities Division—Arthur E. Smith, Tony D. Bohanan and Leo W. Maki—were eligible to receive their 20-year pins, but were unable to be present for the photo.

### Registration Of Boats Handled At DMV Offices

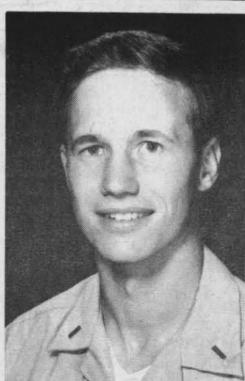
Boat registration fee billings will be mailed to California's half-million boat owners in early December, at the same time, and on the same type of punched card, as their vehicle and trailer registration renewal notices.

"Boat and vehicle records are all under one roof now," says Department of Motor Vehicles (DMV) Director Robert C. Cozens. "Boat records went on the DMV computer a few weeks ago, and owners will have to look twice to distinguish between their auto, trailer or boat registration renewal forms.

"A boater will find it convenient to renew his boat registration at any DMV office at the same time he renews registration on the trailer it rests on and the vehicle that pulls it," he said.



SERVICE REWARDED—Plaques in recognition of five years of service to the NWC Credit Union were presented recently by Gene Boehme (center), manager, to Lois Mae Crane, loan interviewer, and James C. Messer, collection supervisor.



NOW AT NWC—Lt. (jg) Richard L. Dueringer recently reported for duty at the Naval Weapons Center, and was assigned as an aide in the Command Administration Department. A naval aviator, Lt. Dueringer completed flight training at NAS Chase Field, Beeville, Tex., prior to being sent here, and before that earned his commission through the NROTC program at the University of Illinois. A native of Melvin, Ill., Lt. Dueringer was accompanied by China Lake by his wife, Ruth.

### Class for New Supervisors To Be Held Here

Enrollment is now being taken in a five-day course for new or inexperienced first-line supervisors entitled "Introduction to Supervision."

The course, which will be conducted by representatives of the U.S. Civil Service Commission's Regional Training Center in San Francisco, will be held here Dec. 6-10 in Room 203 of the Training Center Building.

Participants in the course will be introduced to the basic legal requirements affecting the management of Federal employees, and to selected managerial techniques and concepts.

Those interested in attending this course must submit NWC Enrollment Form 12410-28 to the Employee Development Division (Code 654) through proper department channels in order for it Nov. 26.

Enrollment in the course will be limited to 24 persons.

### Monthly Premiums For Health Insurance Climb

Increased monthly premium rates for high option coverage of the six largest plans participating in the Federal Employees Benefits program were announced last week by the Civil Service Commission. The new rates will become effective in January, 1972. The new premiums have been held to an absolute minimum, the Commission said.

While premiums generally will be higher in 1972, a few plans, including the government-wide Indemnity Benefit Plan (Aetna) will be the same in 1972 as in 1971.

No Change in Benefits Although monthly premium rates are going up, benefits will not be changed in 1972. During the health insurance open season for Federal employees and annuitants, which began this past Monday and will continue through Dec. 31, Civil Service employees may enroll in a plan or change plans and options. In addition, they may change from self to family coverage.

While annuitants may change plans and coverage, they may not newly enroll in a health insurance plan.

The standard government contribution to health insurance premiums is fixed by law at 40 per cent of the average high-option premium of the six largest plans. Since the average biweekly premium for self-only coverage will be increased in January from \$8.65 to \$9.75, the government's standard contributions will be increased from \$3.46 to \$3.90 biweekly; and since the average premium for family coverage will be increased from \$21.60 to \$24.46 biweekly, the government's standard contribution will go up from \$8.64 to \$9.78 for a family enrollment.

Some Deductions Less Thus for employees in some plans whose premiums are not being raised, the higher government contribution will result in a slightly smaller pay deduction in 1972 than in 1971.

For employees who are enrolled in the Blue Cross-Blue Shield health insurance plan, the biweekly premium will be increased \$3.09 (from \$9.06 to \$12.15) for the employee only, or by \$7.54 (from \$22.11 to \$19.65) for employees and their families.

This will mean an increase of \$2.65 per biweekly pay period (from \$5.60 to \$8.25) in the amount of the employee's payroll deduction (if only the employee is covered) or a boost of \$6.40 (from \$13.47 to \$19.87) in the case of those employees whose health insurance also covers members of their family.

Government's Share Upped The forthcoming changes in premiums for the Blue Cross-Blue Shield plan also will mean an upward revision in the government's contribution. The government will provide an additional 44 cents (an increase from \$3.46 to \$3.90) for employee only coverage, and an additional \$1.14 (from \$8.64 to \$9.78) for employees and their families.

Under the Aetna plan, the biweekly deduction for health insurance premiums in 1972 will remain unchanged at \$9.79 for employees only and \$24.26 for employees and their families.

There will, however, be a reduction of 44 cents (from \$6.33 to \$5.89) in the amount deducted from an employee's paycheck for his Aetna plan insurance coverage in 1972, while those with family coverage will find their biweekly deductions cut by \$1.14 (from \$15.62 to \$14.48).

At the same time, the government's share of health insurance costs under the Aetna plan will be increased by 44 cents (from \$3.46 to \$3.90) in the case of coverage for the employee only, and by \$1.14 (from \$8.64 to \$9.78) for both employees and their families.

### A Look Into The Past

From The Rocketeer Files

25 Years Ago . . .

The Center opened up its Trailer Courts (24 spaces) and trailerites moved in immediately . . . NOTS residents were "incensed" over an article in Pageant Magazine that pictured Inyokern as the "meanest town in the West since Tombstone" . . . The Burros had their Homecoming spoiled by a 33 to 6 loss to Bishop's Broncos.

15 Years Ago . . .

Jerome Hines, operatic basso, opened the 1956-57 Concert Season. He has returned since . . . Former Rocketeer Editor, Erna Pierson (who died earlier this year), the mother of Mrs. Charles Dye, published her first book, "Kern's Desert." . . . United Fund Campaign ended on a successful note . . . A notice in The Rocketeer stated that California led the nation in number of Federal Employees (it still does).

5 Years Ago . . .

Three local youths, Gary and Bucky Ray and Brian Rockwell electrified the archaeological world with the discovery of a cave on one of the Naval Weapons Center's north ranges. Inside the cave were many Indian artifacts . . . Dr. Wm. B. McLean, NOTS Technical Director, was interviewed by LIFE Magazine . . . ADR3 Rudolph Falcone survived in 11,500 ft. parachute jump when his main chute and his reserve chute failed to open. Falcone was saved by following set procedures for such an eventuality.

### Local Entries Needed For Annual Christmas Parade

With the date fast approaching for the second annual Christmas parade, another planning session to iron out details of the Saturday, Dec. 4, event was held this past Wednesday night.

Sponsored by the Ridgecrest Chamber of Commerce, and under the overall direction of Ernie Loscar, general chairman, the parade is open to participation by all interested groups and individuals.

Entry forms can be obtained at the Chamber of Commerce office, 201 Panamint St., Ridgecrest, and

must be filled out and either returned or postmarked no later than Friday, Nov. 26.

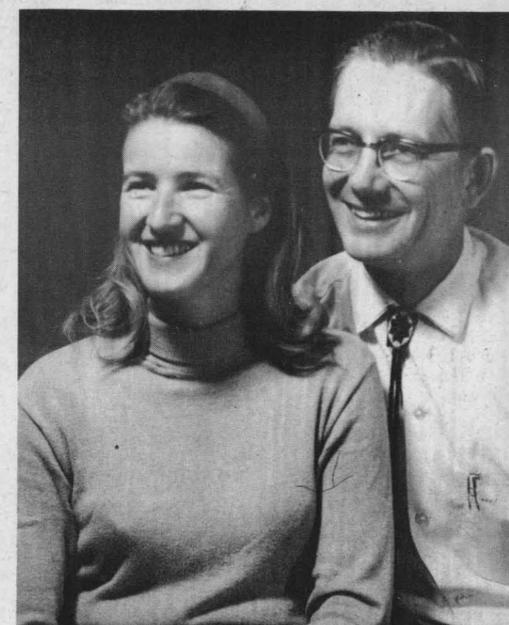
Plans for the parade call for it to get under way at 10 a.m. on Saturday along N. China Lake Blvd. in Ridgecrest. Following the procession, which will be highlighted by the appearance of Santa, there will be a free movie for children at the Ridge Theater.

Santa also will make an appearance at the theater, and there will be gifts of candy for youngsters in attendance at the movie.



CIVIL DEFENSE PROGRAM CHECKED—State and county officials visited the Naval Weapons Center last week for the purpose of gaining firsthand information on the Indian Wells Valley Civil Defense program. The visitors met with H. G. Wilson (seated, at left), NWC Technical Director, who also serves as director of the IWV Civil Defense program. Others shown are Ray Jackson (seated at right), superintendent of emergency services for the Kern County General Services Department, and (standing, l-r) Bernie Sword, an NWC employee, who is the staff assistant for the local Civil Defense program; Hank Henderson, from the Office of Emergency Services in Fresno, and LeRoy Jackson, who represents this district (No. 1) on the Kern County Board of Supervisors. Supervisor Jackson is a former head of the NWC Community Relations Office. Two other visitors (not in photo) were Allan Sherwood, from the Office of Emergency Services in Sacramento, and Vern Paul, from the Santa Rosa Region of the Office of Civil Defense.

### Employee In the Spotlight



Drs. Hal and Jean Bennett

They came into the office smiling, their cheeks red from the chill and the bicycle ride from Michelson Lab. During the interview Hal would answer a question and look to Jean for confirmation. Sometimes she would say, "No, dear, it was . . ." and Hal would smile and say "That's right."

Sometimes you wonder if they're two people, they're that close. Even their backgrounds are similar. Hal Bennett, a Missoula, Mont., native, attended Montana State University (now the University of Montana) and received his BA (with honors) with a double major in math and physics.

Jean Bennett, who hails from Kensington, Md., attended Mount Holyoke College, South Hadley, Mass., where she majored in physics and chemistry, and graduated summa cum laude.

Both were offered teaching assistantships at Penn State University. Jean became the first woman to teach physics at Penn State and was also the first woman to win a PhD in physics from that university.

The couple met during a meeting for new graduate students but Jean didn't remember Hal. "She was the only woman there and all the fellows paid a lot of attention to her," Hal recalled. "Later on I asked her for a date, and she accepted."

"I thought I'd take a chance on him," Jean twinkled. "I could vaguely remember meeting him somewhere but I couldn't remember who he was."

"At the dance (Hal took her square dancing) we had to sign one another's name cards. I wrote her name but she had to ask me mine," Hal laughed.

There were a few problems at Penn State. After their marriage in 1952 they had to work on separate projects. Their thesis advisor, D. H. Rank (who has just received the Ives Medal, the Optical Society of America's highest award), thought it best they didn't collaborate so that there wouldn't be any question as to who had done the work.

From the time of their graduation, however, their lives have been nearly total collaboration.

They took employment as physicists in the Infrared Reconnaissance Section at Wright Air Development Center, Dayton, O. While there they went on an infrared measurements program at Pike's Peak and met Raim Regelson, from the Naval Ordnance Test Station. They became interested in the work being done at China Lake. In April, 1956, they talked to Dr. W. F. Koehler, who offered Hal a billet at China Lake, so in October, 1956, they made the move.

They came from Ohio by auto and after reaching Needles, Calif., Jean began to be concerned about her new home. "All I could see were ghost towns and small places like Johannesburg and Red Mountain. Ridgecrest was just a tiny dot on the map and China Lake didn't even appear on it. But I kept telling myself that China Lake was only 15 or 20 miles from the Sierras, so it shouldn't be too bad."

Hal continued the story, "When we topped the rise and saw the green valley below us, Jean gave a big sigh and began to look forward to working at NOTS."

Hal is now head of the Physical Optics Branch, Code 6018, and Jean is a research scientist in the group. They compete in many things, and the rivalry, interlaced with love, adds to the excitement in their lives. Both are prolific writers; Hal has 43 publications to his credit and Jean has 44. Hal leads in presentations, however, with 38 to Jean's 19 and he has 5 patents and one applied for, while Jean has one patent.

Hal won the Scientific Research Society of America's "Best Paper of the Year Award" (with Jim Porteus) in 1961 for a paper entitled "Relation Between Surface Roughness and Specular Reflectance at Normal Incidence." In 1964, Jean's paper, "Precise Method for Measuring the Absolute Phase Change on Reflection," won the award from the China Lake Branch of RESA.

The two are members of many scholastic organizations. Hal belongs to Phi Alpha Theta, Kappa Tau and Phi Kappa Phi, and Jean is a member of Phi Beta Kappa, Sigma Delta Epsilon and Iota Sigma Pi. Together they belong to Sigma Xi and Pi Mu Epsilon, and also RESA, and the Optical Society of America (of which Hal is a Fellow).

Hal is an associate editor of the Journal of Optical Society of America and an advisory editor of Optics Communications. In addition, he belongs to the American Physical Society and is a former member and chairman of the Ives Medal Committee. He also is a member of the U.S. National Committee, International Commission for Optics.

Their zest for life is evident in everything they do. Whether the conversation is about optics, backpacking, foldboating, flying, traveling or training Siberian huskies to pull their bicycles, the Bennetts remain lively, bright and interested. They take a keen enjoyment in all they do and, according to Hal, they " . . . do it full tilt."

The Bennetts are accomplished foldboaters and over the years have made many, many trips down wild, roaring rivers. A Eureka (Calif.) newspaperman once referred to them as "those crazy knuckleheads" in writing about a trip they made down the Klamath River in November, 1964. (They are planning to make the trip again this Thanksgiving weekend.) The river was high and the weather was freezing cold. Two weeks afterward the river flooded and wiped out the small town of

(Continued on Page 9)