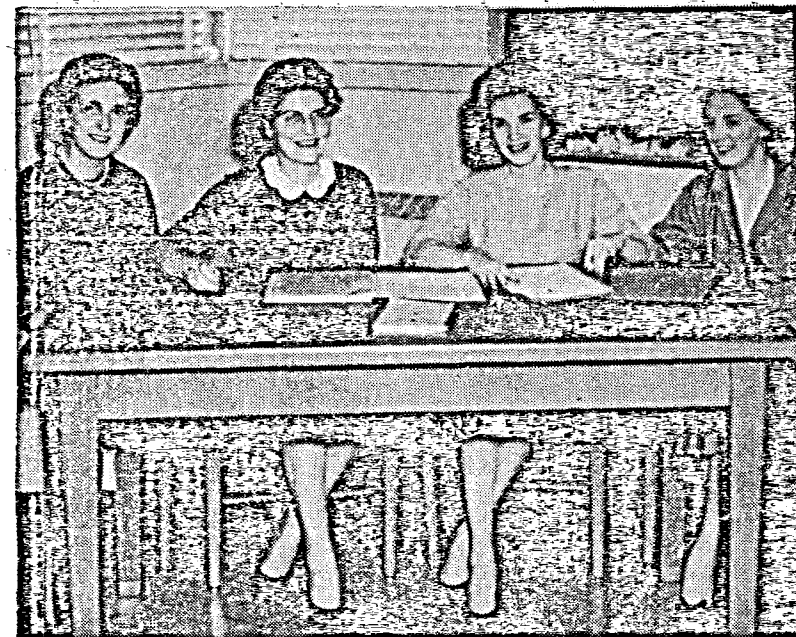


Toastmistress Elect New Board



DIRECTORS—Newly-elected officers of the Indian Wells Valley Toastmistress Club were installed on January 8 by Betty Clemans, past president. Shown (l. to r.) are: Reggie Hibbs, treasurer; Mary Lou Gott, secretary; Dovie Gorrano, vice-president; and Marge Adicoff, secretary.

NAF News Notes

By Lt. (jg) Bruce Mudge

Operations have returned to normal after the closing of the second holiday leave period. The Christmas music has ceased to ring in the hangar and thoughts are turned to the New Year and the coming ratting exams. New operation schedules are being promulgated and more and more plans are being made for the move to the new hangar this fall.

The NAF volleyball league has been active for several weeks with the Drone Line Division just barely leading the Fighter Line Division. The basketball team, after a holiday rest, came through in good style with a 56 to 32 victory over a team combined from GMU-25 and GMU-61. This is our fourth victory with no losses.

Quite a few reenlistments were effected in December. Captain G. J. Anderson has administered oaths to J. S. Burris, AMS3, R. E. Ford, AD1, P. A. Liggett, AQ1, W. O. Nash, AQ2, D. R. Pickering, AE2 and J. C. Stewart, AMS2. These men reenlisted either for a six-year period or until they reach retirement. NAF has always had a high reenlistment rate.

Registration for UCLA Spring Courses Begins Next Monday

Registration for the Spring semester of the UCLA Graduate and Extension Program on the Station will be held from January 19 through February 6. Students may register in Room 1004, Michelson Laboratory, each working day from 9 a.m. to 1 p.m. for classes scheduled to begin the week of February 2, except as noted.

In order to speed up registration procedures, early enrollment is encouraged. Registration fees are payable at the time of registration, but employees who pass technical and administrative courses successfully, with grade of "C" or better, are eligible for 100% tuition refund at the conclusion of the semester. Textbooks may be purchased in the Education Office.

The titles, meeting times and places, units of credit, fees and instructors for the spring semester courses are listed below.

Chem. 198, Advanced Physical Chemistry: Mon, Wed, 7-8:30 p.m., Rm. 1015, Michelson Lab, 3 units, \$35. Instructor: T. E. Smith. Econ. 101, Economic Principles & Problems: Mon, Wed, 6:30-8 p.m., Rm. 105, Training Bldg., 3 units, \$35. Instructor: J. R. Felton.

Ed. 175CD, Curriculum Planning (Secondary Schools): Wed, 7-9 p.m., Rm. 40, Burroughs HS, 2 units, \$25. Instructor: D. B. Howe. Ed. 391AB, Methods of Teaching Arithmetic in the Elementary School: Fri, 7-10 p.m., Sat, 9-12 a.m. (alternate weekends); Rm. 41, Burroughs HS, 2 units, \$25. Instructor: G. C. Pinney.

Engr. 105B, Heat Transfer and Thermodynamics: Tues, Thurs, 6:30-8 p.m., Rm. 20108, Michelson Lab, 3 units, \$35. Instructor: R. W. Van Aken.

Engr. 107J, Advanced Analysis of Shell Structures: Tues, Thurs, 4:30-6 p.m., Rm. 1015, Michelson Lab, 3 units, \$35. Instructor: J. Pearson.

Engr. 115C, Active Electronic Circuits: Mon, Wed, 4:30-6 p.m., Rm. 1001, Michelson Lab, 3 units, \$35. Instructor: R. G. Sewell.

Engr. 220B, Fluid Dynamics: Mon, Wed, 6:30-8 p.m., Rm. 1017, Michelson Lab, 3 units, \$35. Instructor: J. Siekmann.

Engr. 298, Rigid Body Dynamics: Mon, Wed, 4:30-6 p.m., Rm. 20108, Michelson Lab, 3 units, \$35. Instructor: H. A. Wilcox.

Engr. 299, Research in Engineering: Instructor, time and place to be arranged, 1 unit, \$15.

Math 111A, Introduction to Higher Algebra: Mon, Wed, 6:30-8 p.m., Rm. 20108, Michelson Lab, 3 units, \$35. Instructor: M. W. Maxfield.

Math 138, Numerical Methods of Approximation: Tues, Thurs, 4:30-6 p.m., Rm. 1017, Michelson Lab, 3 units, \$35. Instructor: A. A. Poit. (This course will begin February 10.)

Math 197, Calculus of Variations: Tues, Thurs, 4:30-6 p.m., Rm. 1001, Michelson Lab, 3 units, \$35. Instructor: D. E. Zilmer.

Math 224B, Functions of a Complex Variable: Mon, Wed, 4:30-6 p.m., Rm. 1017, Michelson Lab, 3 units, \$35. Instructor: R. G. Selfridge.

Math 225B, Mechanics of Continua: Mon, Wed, 4:30-6 p.m., Rm. 1003, Michelson Laboratory, 3 units, \$35. Instructor: C. J. Thorne.

Physics 107, Electrical Theory & Measurements: Mon, Wed, 4:30-6 p.m., Rm. 1001, Michelson Lab, 3 units, \$35. Instructor: G. J. Plain.

Physics 121B, Nuclear Physics: Tues, Thurs, 4:30-6 p.m., Rm. 20108, Michelson Lab, 3 units, \$35. Instructor: W. F. Cartwright.

Psych. 187, Industrial Psychology: Mon, Thurs, 4:45-5:45 p.m., Rm. 213, Training Bldg., 2 units, \$25. Instructor: R. W. Stephenson.

Russian 800DEF, Scientific Russian: Tues, Thurs, 6:30-8 p.m., Rm. 1001, Michelson Lab, \$35. Instructor: V. B. Weightman.

LCdr. Frances M. Anderson Reports to Station Hospital

LCdr. Frances M. Anderson, NC, relieved LCdr. June E. Unruh as Clinic Nurse at the Station Hospital January 15. Following nurses training at the University of Texas School of Nursing in Galveston, she has been assigned to Naval Hospitals at Oakland, Bremerton, Houston, Seattle, New Caledonia, Corona, Oahu, Hawaii and at the Marine Air Station, Mojave in 1943. Cdr. Anderson was also assigned to the USS GENERAL A. E. ANDERSON, troop transport, during the Korean Conflict. She reports from the Naval Hospital, Oakland.

Investment Class

A class in Investments is to be added to the schedule of adult classes for the spring semester, according to W. J. Shortt, Burroughs Evening High School Principal. Milton Neufeld will act as instructor for the class which will meet Thursday, 7-10 p.m., beginning February 5. Registration for the class will be held at Burroughs School Library on January 19-22, from 7-9 p.m.

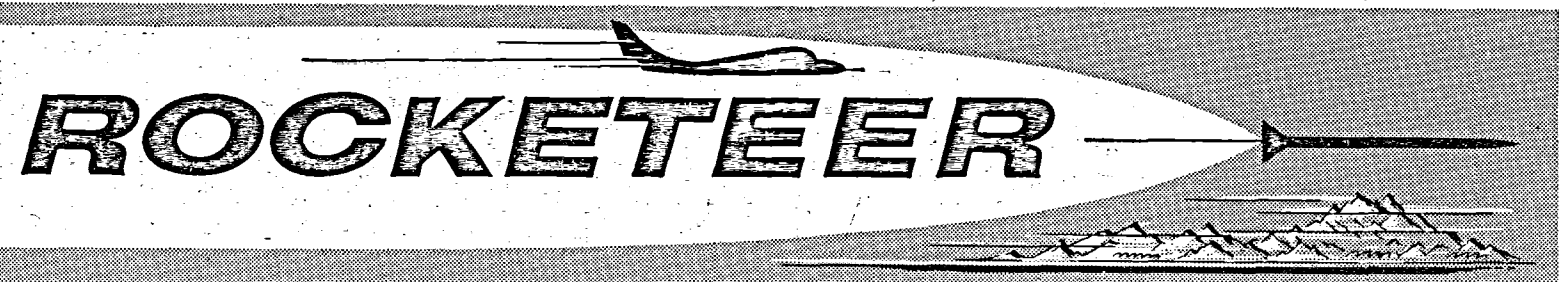
Russian Navy Strength

Washington (AFPS) — Figures on Soviet Navy strength indicate the Russians now have in their active fleets: 27 cruisers, 150 destroyers, 474 submarines, 1,250 patrol craft, 600 mine warfare vessels and about 3,500 aircraft (land-based Navy planes).

'Name the Theme' Contest

Seven more days remain to submit your entry to name the theme for the Spring Desert Wildflower Show to: Contest 51-A Farragut, China Lake.

PLAN NOW Attend Your Credit Union Annual Meeting Monday Night Community Center 7:30 p.m.



TEMPERATURES table with columns for date and temperature.

Budd Gott, Editor Phones 71354, 72082, 71655 Office, Housing Bldg., Top Deck Vol. XV, No. 2 U. S. Naval Ordnance Test Station, China Lake, California Friday, January 16, 1959

Final Tabulation of United Fund Campaign Told

The final tabulation of contributions to the 1958-59 United Fund Campaign shows that 84 percent or \$28,214.82 was collected. The announcement was made by Jack O'Brien, president, at the Board of Directors meeting held last Monday, January 12.

In winding up the campaign operation, O'Brien praised the efforts of Ev Long, campaign manager, Capt. C. K. Phillips, treasurer, and all those who have contributed to the success of the drive.

Ev Long pointed out that a new mark of success had been reached showing 91 percent of all the contributions or \$25,726 to have been submitted in cash leaving only a total of \$2,488 in pledges. At NOTS, 81 percent of all employed personnel, military and civilian, participated. Figures showing Ridgecrest participation are not available at this time.

This campaign marked a new high in total campaign figures for the Indian Wells Valley area. It also marked a new record by setting a new low for national campaign expenses. Costs of the IWV United Fund drive were only \$332 which is 14 percent of the total campaign. National figures are from 300 to 400 percent higher, Long said.

Captain Phillips announced that an immediate payment will be made to the participating agencies from the cash contributions. This is designated as follows: Salvation Army, \$1650; Rand Cemetery, \$255; Boy Scouts, \$4,800; Girl Scouts, \$4,100; Desert Area Family Service, \$6,450; IWV Recreation Council, \$2,170; Red Cross, \$4,750; USO, \$355; and Desert Area Emergency Relief, \$800. When the pledges are paid up, the United Fund will issue the balance of designated monies to the agencies, Capt. Phillips said.

The Board of Directors strongly acclaimed the significant contribution of \$800 which resulted from the Navy-Marine football game staged on behalf of the United Fund. It was suggested that the event be repeated annually as a United Fund benefit.

Personnel participation in Station departments show a final tally as follows: 100%—Codes 12, 88, NAF, and GMU-25; 96%—Code 25; 95%—Code 45; 94%—Code 65; 92%—Code 17; 91%—Code 40; 86%—Code 73; 85%—Code 86; 82%—Code 55; 81%—Code 14 and 00; 80%—Code 35; 79%—Code 50; 75%—Code 87; 73%—GMU-61; 69%—Code 70; and 60%—Code 85.

The highest financial contributions were submitted by: first, Code 45, with \$3,000; second, Code 30, with \$2,927.81; third, Code 70, with \$2,475.50; fourth, Code 35, with \$2,163; and fifth, Code 40, with \$2,133.00.

New Flight Surgeon Reports to NAF

Lt. Gilbert I. Madison, Jr., USN, MC, reports aboard to relieve Lt. D. C. Trapp, Flight Surgeon at the Naval Air Facility.

Investment Class

A graduate of the University of Texas, class of '57, Lt. Madison served one year at Camp Pendleton followed by six months at the Naval School of Aviation Medicine in Pensacola, Florida, before his Station assignment.

His wife Doris and their three children have been assigned quarters at 210-A Ellis.

AOA President Greeted



NEW AOA PRESIDENT—Louis Polk (center), new president of the American Ordnance Association, meets with Station Commander Capt. W. W. Hollister and John Cox (left), president of the local AOA. His former office as AOA chairman will be held by C. Thorpe Thompson.

Navy to Accept NOTS' Archery Idea; China Lake Archers Finish Tournaments

Joe Stone, NOTS' most enthusiastic archer, recently received word from the Office of the Chief of Naval Personnel that the Navy has found Stone's suggested standards for Navy-wide telegraphic-type archery tournaments acceptable.

The letter states that it is anticipated that the archery program will become a permanent part of the Navy recreation program within the next few months. Adult and junior China Lake archers have recently completed several tournaments. With 18 senior archers beginning the 3-month-long flint round competitor, 8 completed the required series of 8 games. In each round, the bowmen shot at 14 different sized targets, placed at unknown and different distances from him. High-average scores for the 8-game series placed John Loper, Lynn Lyons and Bill Kirk, in first, second and third place, respectively, in their competition.

High scoring junior archers who competed in their annual tournament are: 9-11 year group—Ray Paklos, scoring 325, Roger Martin, with a score of 300, and Terry Hogue, scoring 298. High scoring youngsters in the 12-16 age bracket are: Brian Cowan, 472; Steve Martin, 426, and Tom Ward, 410. Junior archer scores were computed on a basis of 540 possible points, and all will be presented trophies donated by the NOTS Bridge Club.

AF Closes First Deceleration Track

Edwards AFB, Calif. (AFPS) — The world's first deceleration test track, built by the Air Force here in 1947, is being closed down and replaced by a new high speed track now under construction with larger and longer facilities.

The 2,000-foot track was made famous by AF Col. John P. Stapp in the first rocket sled rides to determine human deceleration limits. The new track, now half completed, will be 20,000 feet long and will utilize test vehicles weighing up to 15,000 pounds and traveling at speeds in excess of Mach 4.0.

Credit Union Election

The annual meeting of shareholders in NOTS Employees Federal Credit Union will be held next Monday, January 19, at 7:30 p.m. in the Community Center.

A dividend rate for 1958 will be voted on and the election of officers and committee members for the coming year will take place. In addition, a drawing for door prizes will be held.

Next in importance to having a great aim is to recognize the psychological moment to pull the trigger.

Old Chinese Proverb

U.S. Emphasis on Deep Ocean Research Highlighted at AOA Meet Here This Week

"America should be heartened by the progress being made in space," an industrialist stated here this week during the 14th annual meeting of the Standards and Metrology Division of the American Ordnance Association.

Louis Polk, president of the Sheffield Corporation, Dayton, a division of Lockheed Aircraft, was chairman of the two-day AOA meeting. He said, "The big difference between this country's space efforts and those of Russia lies in the two attitudes after World War II.

"While the United States worked hard for disarmament, Russia kept right on with her military and rocket programs. We are making great strides now in space development. Personally, I think the nation should be heartened by the progress being made in shortening this gap between the two countries."

Captain W. W. Hollister, Station Commander, welcomed the group, and Dr. William B. McLean, Technical Director, spoke on the Station facilities and technical programs.

Dr. Howard A. Wilcox, Assistant Technical Director for Research here at NOTS, spoke to the group at the Wednesday evening banquet. "Today," he said, "the U.S. is the world's most powerful maritime power—or at least we still tell ourselves so—but perhaps our greatest military problem comes from the sea. Russian cities lie far from the sea, in the main, but ours lie close. Communist lines lie overseas; the free world's lines lie over water. All together, the free world operates over 90 percent of the world's surface ships—the targets—while Russia operates over 70 percent of the world's ship-killers—the submarines."

Following this introduction into the subject of the United States' dependency on the sea, Dr. Wilcox went on to sketch the areas of deep ocean research in which our Station is becoming increasingly interested.

Cdr. Herbert L. White, Chief, Gage Control Division, Naval Gun Factory, opened his address by informing the audience that his visit here this week might be termed a homecoming as he was stationed here in 1945-46 as the Station's second Security Officer.

"I came here as an Ensign, departed as a Lieutenant, and return as a Commander," he said. Other speakers on the agenda were: L. J. Paddison, Director of Reliability Development, Sandia Corporation, Albuquerque, N. M.; Colonel J. G. Schneider, USAF, Chief of Quality Control, Air Materiel Command; A. G. McNish, Consultant to the Director, National Bureau of Standards; Robert W.

Cuthill, Chief Engineer, Army Ordnance Missile Command, Huntsville, Alabama; Lt. (jg) Clyde R. Brewer, Assistant Gage Officer, Inspection Equipment Division, Naval Gun Factory; M. L. Frueh-tenicht, Mgr. of the Gage Dept., Frankfurt Arsenal; and I. H. Fullmer, Chief, Eng. Metrology Section, National Bureau of Standards.

GMU-61 Personnel Get Commendations

During inspection last Friday, January 9, Cdr. Selden N. May, Officer in Charge of Guided Missile Unit 61, was privileged to commend a number of unit enlisted personnel for outstanding professional and athletic accomplishments during the past year.

Of 31 men in the unit, 27 were cited for one or more significant achievements. The varied activities for which recognition was accorded included: 14 men advanced in rate; 5 men awarded proficiency pay; 10 men awarded letters of appreciation; 6 men on one or both of the two consecutive championship bowling teams, and 4 men on the Navy All Star football team.

Those men cited for the foregoing achievements included: Billy L. Brown, GFC; Marvin A. Robertson, GFC; James H. Thomas, GFC; Dean E. Wright, AQ; Robert J. Boatright, GFI; Harold E. Ferguson, GFI; Edward J. Paklos, GFI; Vernon D. Acker, AO; Clyde W. Austin, GF2; Boyd K. Burnett, GF2; Robert T. Glasure, GF2; John R. Hardy, AQ2; Donald R. Leonard, GF2; Clifton H. Rogers, YN2; Shelby M. Bass, GF3; Guy W. Creed, AO3; Charles C. Davolt, AO3; Charles H. Forbes, GF3; Kenneth G. Janisch, GF3; Gary E. Kelley, GF3; Randall W. Morris, GF3; Phillip J. Smolesky, AO3; Howard M. Vogt, AQ3; Arthur L. Wasscoat, GF3; Wilvon A. West, GF3; Frank A. Wilhelm, GF3; and Theodore C. Lowinski, PNSN.

Cotner Praised for Report To West Coast Conference

A letter of appreciation has been received by Captain W. W. Hollister from the Chief of Industrial Relations, Department of the Navy, for the participation of G. R. Cotner, Safety Engineer in Command Administration Department, as workshop leader in the Navy West Coast Regional Safety Conference held in San Diego last September. The letter said, in part: "The report submitted by Mr. Cotner for his workshop represents sound thinking and conscientious effort; it contributed materially to the overall success of the conference."

Promotional Opportunities

Only persons currently employed at this Station may apply for the following positions, and up-to-date Forms 58 should be submitted when applying.

Fiscal Accounting Clerk, GS-501-4, PD No. 1825, Code 175. Receptionist, handle correspondence, originate and maintain office files, record incoming money.

Publication Editor (PS&E), GS-010-7, PD No. 29031-Am-1, Code 7511. Edit technical reports and prepare technical brochures.

Publication Editor (PS&E), GS-010-9, PD No. 13274-3, Code 7511. Edit technical reports and prepare technical brochures.

Supervisory Publication Editor, GS-010-11, PD No. 29072-1, Code 7511. Edit technical reports and prepare technical brochures, review, train and consult, set up editorial and production standards.

General Engineer, GS-801-13, PD No. 31673, Code 4571. Planning and administration of current programs, studies of proposals for future work, technical participation in production analysis work, reporting and training.

File application for above positions with Mildred Beck, Personnel Building, Rm. 34, Ext. 72723, prior to January 23.

Engineering Draftsman (General), GS-4, PD No. 20621, Code 3043. Prepare detail and sub-assembly drawings as required for the development of mechanical, electrical or electronic instrumentation systems.

File application for this position with Fawn Haycock, Personnel Building, Room 34, Ext. 71514, prior to January 23.

Printers Working on Burroughs' Annual

"El Burro," Burroughs High School yearbook, is being readied for the printers by editor Jackie Payne and her staff. The first 24 pages of the 108-page book have been forwarded and the next portion will soon be ready to be sent to the printer.

Beginning in 1946 as a community history, covering school activities from kindergarten and through high school, the "El Burro" has grown and changed to become the official record of Burroughs High School activities.

Last year's edition of the annual was the first to be entered in rating competition with yearbooks of other secondary schools throughout the nation, and it placed in the second group of the Columbia Scholastic Press Association ratings.

Members of the 1959 staff include, besides the editor, Roger and Owen Sesson, layout editors; Linda Lumati, art editor; Carolyn Ridpath, advertising manager, and Rolly McNeill, photo editor. Patricia Alexander, journalism and English instructor, is the "El Burro" faculty advisor.

AAUW Tea to Feature World Etiquette Expert

An "International High Tea," sponsored by the China Lake Chapter of the American Association of University Women, will be held in the Anchorage Saturday, January 24, at 2:30 p.m.

Highlight of the event will be an interpretive discussion of various manners and customs titled "Emily Post Around the World" by Anne Reher, noted lecturer and book reviewer from Mrs. Samuel Horton Brown's Artist Agency.

In all her programs, Anne Reher displays humor, wit and an ease of presentation which belies the work that goes into their preparation—the exacting and expert research backed by sound academic training. She received her A. B. degree in history and philosophy from Loretto Heights College in Denver, and her Master's degree from Mount St. Mary's College in Los Angeles. She is also the mother of five children.

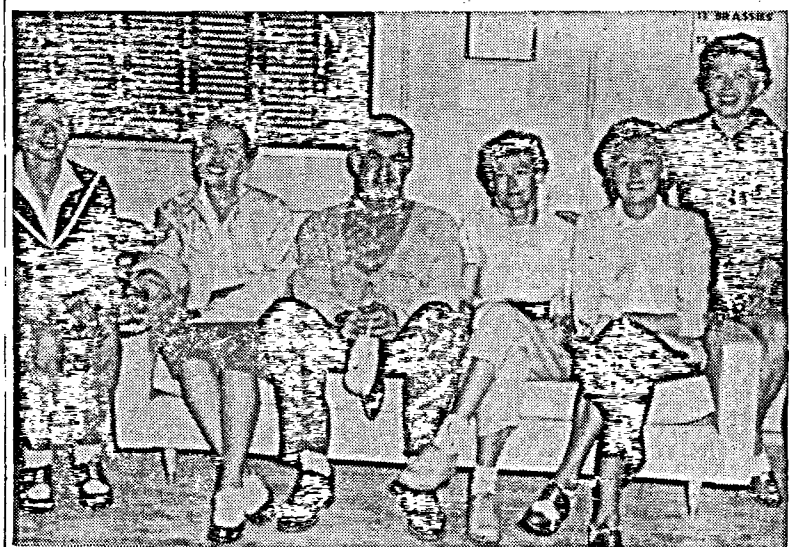
Proceeds of the benefit tea will be applied to the AAUW International Fellowship Fund. Individual donations will be \$1 per person.

Rumor Unfounded

Recently, the press and radio have carried reports that NOTS is going to be taken over by the National Aeronautical and Space Agency. At the last meeting of the Employee-Management Council, Management stated that no confirmation of this rumor has been received, and at this time it is less likely to be true.

It is possible that we may be doing some work for NASA, but it would be through Navy and the Bureau of Ordnance rather than a total transfer. Management added that NOTS is interested in doing work for NASA and that we have one or two proposals before them.

Credit Union Election Community Center January 19 7:30 p.m.



WOMEN GOLF OFFICIALS—Directors of the newly-formed Women's Golf Association are pictured with Paul Someson, China Lake Golf Pro (center). Shown (l. to r.) are: Priscilla Kuhn, tournament chairman; Jeanne Bruce, handicap chairman; Paul Someson; Enid Westcott, secretary; Gerry Emberton, publicity; Peg Adams, tournament chairman.

Women Golfers Form Own Organization

The first organizational meeting leading to the formation of a ladies' golf association was held at the China Lake Golf Club on Monday, January 5.

Newly-appointed officials of the group were: Jeanne Bruce, handicap chairman; Gerry Emberton, publicity; Enid Westcott, secretary; Peg Adams and Priscilla Kuhn, tournament chairmen.

Play day for non-working women has been designated for either Monday or Wednesday. Working women may play either Saturday or Sunday.

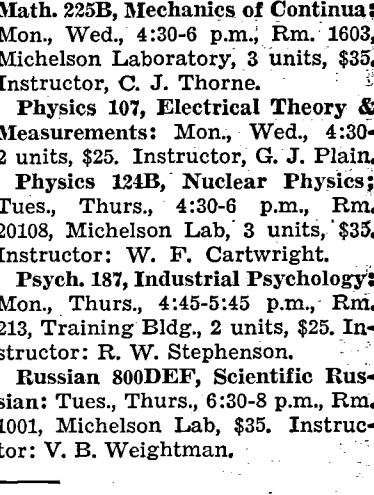
Luncheon meetings will be held on the first Monday of every month in the Clubhouse lounge at 11:45 a.m. All women golfers are encouraged to attend whether or not they have established their handicaps. Handicaps will be established when golfers have turned in 15 nine-hole scores.

C. Neipp Scores High In Homemaking Test

Celeste Neipp, Burroughs senior, qualified as her school's 1959 Betty Crocker Homemaking Tomorrow through her score on a 60-minute written examination taken by graduating senior girls.

She will receive a pin denoting her local triumph and her examination paper will be entered in state-wide competition with those of winners from other schools. Qualification as the state Homemaking of Tomorrow would entitle her to a \$1,500 scholarship from General Mills, a trip to Washington, D.C., and entrance into the nationwide Homemaking competition for the title of All-American Homemaking of Tomorrow, and a \$5,000 scholarship.

The only US carrier lost in the Atlantic during World War II was the Block Island, which was sunk by a German U-boat near the Azores in 1944.



FORE!—Mrs. W. W. Hollister, member of the newly-formed Women's Golf Association, tees off at the China Lake Golf Course on Ladies Day.

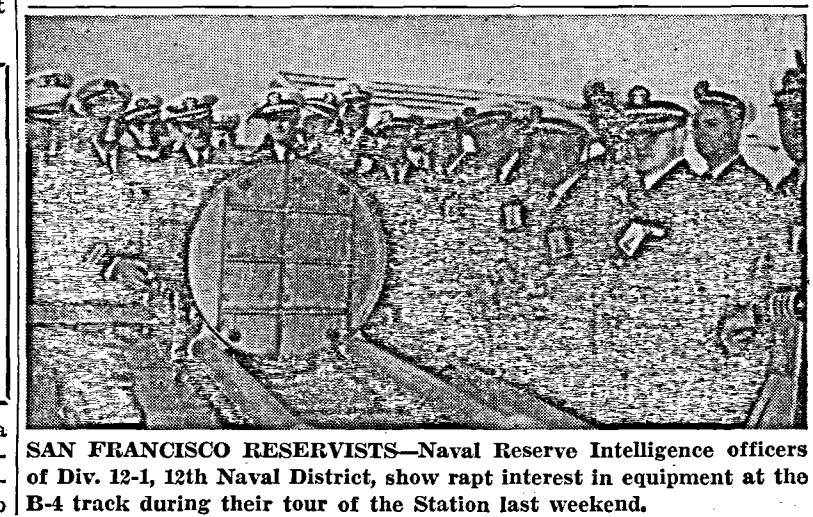
He's Serious About His Serial Number

Memphis, Tenn., NAS (AFPS)—When Donald C. Richards graduated from the U.S. Naval Academy in December 1941, he did a double take at the file number that would accompany him through his service career.

"It was no trouble to memorize—123456 USN," Cdr. Richards recalls today. "But for 17 years people have been blinking unbelievably whenever I recite it.

"Especially," he adds, "in a strange bank when I'm trying to cash a check."

Seven more days remain to submit your entry to name the theme for the Spring Desert Wildflower Show to: Contest 51-A Farragut, China Lake. First prize for winning entry will be a subscription to Desert or Sunset Magazine.



SAN FRANCISCO RESERVISTS—Naval Reserve Intelligence officers of Div. 12-1, 12th Naval District, show rapt interest in equipment at the B-4 track during their tour of the Station last weekend.



