line drawn from the corner of Knox

ritsen to Groves, east on Groves to

Richmond Road, south on Rich-

mond Road to Santee, west on San-

sen to Langley, west on Langley

(including houses on both sides of

Langley), to Renshaw, north on

Renshaw to Independence, north-

west on Independence to Farragut,

west on Farragut to Knox Road,

and north on Knox Road to Halsey.

Vieweg School fourth grade zone

includes all trailers and all houses

to the south and west of a line

drawn from the corner of Knox

Road and Farragut, going east on

Farragut to Independence, south-

east on Independence to Renshaw,

south on Renshaw to Langley, east

on Langley to Rowe, and southwest

on Rowe to Knox. Wherry houses

included in the Vieweg fourth

grade zone include all houses en-

closed by a line drawn from the

corner of Prospect and Bonita, go-

ing south on Bonita to Carricart,

east on Carricart to Dorado, north

on Dorado to Arondo, east on Ar-

ondo to Cisco, north on Cisco to

Nadeau (including all houses on

both sides of the preceding streets),

then west on Nadeau to Dorado,

south on Dorado to Prospect, and

Fifth Grade

Richmond School fifth grade

zone includes all houses to the

north of Halsey and Bowen Roads

on the Navy Station, Wherry hous-

es included in the Richmond zone

are all houses enclosed by a line

pect and Bonita, going north on

Bonita to Searles, east on Searles

Sandora, east on Sandora to Cisco,

Arondo to Dorado (including all

houses on both sides of the pre-

ceding streets), north on Dorado to

Prospect (including houses only

on the west side of Dorado between

Arondo and Prospect), and west

Vieweg School fifth grade zone

icludes all trailers and all houses

enclosed by a line starting at the

corner of Knox Road and Forrestal,

going east on Forrestal to Inde-

pendence, south and east on Inde-

pendence to Lauritsen, south on

Lauritsen to Langley, west on

Langley to Rowe, southwest on

Rowe to Knox Road (including

houses on both sides of Langley

and Rowe), and north on Knox

Road to Forrestal. Wherry houses

in the Vieweg fifth grade zone in-

starting at the corner of Bonita

ta to Carricart, east on Carricart

to Dorado (including houses on

both sides of Bonita and Carri-

cart), north on Dorado to Prospect.

Fifth grade students who will oe

attending school temporarily on the

tal, west on Forrestal to Knox

Road, and north on Knox Road co

All sixth grade students will be

All seventh and eighth grade

students will attend the regular

WASHINGTON-(NAVNEWS -

releases will allow a favorable bal-

corner of Halsey and Lauritsen.

and west on Prospect to Bonita.

on Prospect to Bonita.

south on Cisco to Arondo, west on

west on Prospect to Bonita.

By Jean Cone, Recreation Director

All Station single people 21 years old and over are invited to attend a general meeting at the Anchorage next registration of pupils new to the Knox Road and Halsey, east on Tuesday, September 1, at 7 p.m. This will be an informal district and those in attendance at Halsey to Lauritsen, south on Laumeeting and we want you to bring your ideas on programs and activities in which you would like to take part. This have not yet registered must reg- Road to Santee, west on Santee to meeting is for all unmarried civilian and military personnel. Ister at the Burroughs School of- Lauritsen, north on Lauritsen to Some of the gals have volunteered | at UCLA,

Saturday and Sunday - 1 p.m.

EVENING

6 and 8 p.m. dally

Anton Diffring, Hazel Court.

Doctor looks 35 but is actually 104 year

SHORTS: "Tweet and Lovely" (7 Min.)

"Continental Holiday" (18 Min.)

MATINEE

"ROOGIE'S BUMP" (71 Min.)

"Tex Granger" No. 14 (17 Min.)

EVENING

"PARDNERS" (88 Min.)

Martin & Lewis

They go west in a crazy rootin' shootin

ray just as their grandparents had done.

al zany laughfest. SHORTS: "Not Ghoulty" (7 Min.)

"Condid Microphone (10 Min.)

"THE BIG CIRCUS" (108 Min.)

SHORTS: "Tom and Cherie" (7 Min.)

"ANATOMY OF A MURDER" (160 Min.)

James Stewart, Lee Remick

"HOLIDAY FOR LOVERS" (102 Min.)

HORTS: "Magao's Young Manhood." (7 Min.)

To Attend Meeting

In New York City

Four delegates from the

the United Nations Building in

Chief Quarterman Mechanic

Four NOTS Men

to serve light refreshments at the He has done an excellent job at end of the meeting. Hope to see a the Club this summer and we will be made. lot of you single folk there, hear miss him. We all hope he will reyour ideas, and help you get better turn next summer.

Station Dances One of the happiest spots on the Station last Saturday night was the Community Center. The occasion was the well-attended adult Station dance. The "Skylarks" music and Bill and Doree Post's unique entertainment were enthusiastically received. T.I.D.'s Documentary Film Branch join me in thanking everyone for their splendid cooperation when a scene was photographed for a Station recruiting movie. The shots of this happy throng should prove that we have lots of fun as TODAY well as sunshine on the desert.

Plans for the next dance are well underway. The date will be Friday, September 18. Virginia O'Brien "The Dead Pan Singer" of TV and motion picture fame, will headline the evening's entertainment. Music will be by popular Pug Pilcher. An added attraction for the September adult dance will be the use of the newly redecorated patio area. SATURDAY Weather permitting, we'll be able to have some starlight dancing.

Auto Hobby Shop Hours The Auto Hobby Shop will be closed from September 1 through September 13 for clean-up and repairs. The manager, Chief Connelly, announced that when it re-opens on the 14th, the hours of operation will continue to be 5 to 9 p.m. Monday through Friday, 12 noon to 9 p.m Saturdays, and 12 noon to 5 p.m. on Sundays. The new extension number at the Auto Hobby Shop is SUN.-MON.

Square Dancing

On September 16, a new class in beginners square dancing will be started by the Cactus Squares of China Lake. Details regarding time, place, and enrollment will be announced in this column at a later date. In the meantime, save that date-the 16th-for some real fun with friendly folks.

This week end, August 29-30, the Cactus Squares are holding their annual camp-out in the Greenhorn Mountains. They will have a pot luck dinner on Saturday afternoon and an informal square dance Saturday evening. Any Cactus Square members who haven't received notices on the camp-out may contact search Department will represent Clyde Hazen, Ext. 77563, for further NOTS at the International Ocean-

Foreign Films

Don't forget the first China Lake New York City, August 30-Septem-Film Society showing of the season | ber 12. next Monday and Tuesday evening, Oceanic Research Division Head August 31 and September 1. "The Dr. Rene Engel will head the delefarce in the true tradition of French oceanography consultant, Dr. M. closed by a line starting at the corcomedy. The film gives Fernandel an exceptional opportunity to display his nantomization to the south and west of a play his nantomization to the south and west of a line drawn from the corner of line drawn from the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and Farragut, east on line at the corner of knox Road and line a play his pantomimic talents. There Giorgio Soli of the Soli Microbio- cluding houses on both sides of Farragut to Independence, southwill be English sub-titles for the logical Laboratories. French dialogue. Season tickets may be purchased at the Commu-the fundamentals of marine sciennity Center before these 8 p.m. ces, and centered around the fol-

RAFT Club News

Earnest thespians are busy with deep sea, dynamics of organic and scripts, learning lines and stage inorganic substances, and marine ousiness in preparation for the gala life. September melodrama to be staged Two of the delegates will present by RAFT Club members. Phil Stiles, Kayleen Rector, Mary Dail, Bob will present "The Submerged Plat-Eyler, Patricia Reid, and Nancy form Between the Zapata Peninthis stirring drama of thwarted sula and the Keys de los Canarrelove and dire deeds by the villian os." The subject of Firth Pierce's cluding houses on both sides of Road to Halsey, and east on Halsey paper is "Deep Sea Research Vesand beautiful siren.

Interesting sets and costumes are sel-the DRV." planned for this production, and the The NOTS Oceanic Research Dicast is working very hard under the vision was organized late in 1958. both sides of Cisco and Aronda), Housing area residences enclosed The Chief of Naval Personnel has expert direction of Mary Wicken- It's functions are outlined in the

The next RAFT Club Dance, day's issue, "Back to School Daze" is set for Saturday evening, September 5. The "Constellations" will provide the

dance music from 8:30 to 11:30 p.m. This will be a "Farewell Party" for Bob Wells, RAFT Club Assistant Director. He will be leaving China Lake about September 10 to return to complete his senior year of the senior year o This will be a "Farewell Party"

Elementary School District Zoning

Elementary school district zoning lines were outlined this week by China Lake school officials. Parents are reminded that these zoning lines are subject to change after school starts if class loads indicate that changes are necessary.

Class lists will be prepared by | en to Blue Ridge. school principals and will be post- Groves School second grade zone ed on classroom doors on Tuesday, includes all houses enclosed by a Sept. 8. These lists will be based on line drawn from the corner of Halsey to Lauritsen, south on Lau-China Lake schools last year.

fice on the Navy Station before as- | Langley, west on Langley to South

notified by card or personal north on Knox Road to Halsey. ne call from a teacher somene during the week of Sept. 1 to day of the new school year.

garten will be organized so that a South Hussey, south on South Hus-9, classes will be in session for the tracts which are in the Vieweg AUG. 28

"MAN WHO COULD CHEAT DEATH" (83 Min.) ualizing word descriptions of zone Bonita to Prospect, east on Proslines, it is suggested that parents | pect to Dorado, south on Dorado to periodically performed. His attempts to use the map on the back cover of Carricart, and west on Carricart to get the gland and force a doctor to operate the Navy Station telephone direc- Prospect (including houses on both nake this a real weirdy, but a good one. tory as a reference in determining the grade level zone for each child in the family. Transportation schedules will be published at a later line starting at the corner of Pros-AUG. 29 date.

First Grade of a line starting at the corner of north on Dorado to Sandora (in-Knox Road and Halsey, going east cluding houses on both sides of on Halsey to Lauritsen, south on Dorado and Sandora), east on San-Lauritsen to Thompson, east on dora to Cisco, south on Cisco to Thompson to Noble, south on Noble to Tyler, east on Tyler to Rich- do (including houses on both sides mond Road, north on Richmond to of Cisco and Arondo), north on Do-Halsey, and east on Halsey and rado to Prospect, and west on

Bowen Avenue to Blue Ridge. Grove School first grade includes he area enclosed by a line starting at the corner of Knox Road and | zone includes all houses to the Halsey, going east on Halsey to Lauritsen, south on Lauritsen to from the corner of Knox Road and Thompson, east on Thompson to Halsey, east on Halsey to Laurit-Noble, south on Noble to Tyler, sen, south on Lauritsen to Groves east on Tyler to Richmond Road, east on Groves to Richmond Road, south on Richmond to Santee, west | north on Richmond Road to Helon Santee to Lauritsen, north on sey, and east on Halsey and Bow-Lauritsen to Langley, west on Lan- en Avenue to Blue Ridge, gley to Renshaw (including houses on both sides of Langley), northeast on Renshaw to Independence, line drawn from the corner of Knox west on Independence to Franklin,

and north on Knox Road to Halsey. Navy Station housing to the south | Lauritsen, north on Lauritsen to | clude all houses enclosed by a line and west of a line drawn from the Langley, west on Langley to Rencorner of Franklin and Knox, east shaw (including houses on both and Prospect, going south on Boniographic Congress to be held at on Franklin to Independence, sides of Langley), northeast on southeast on Independence to Ren- Renshaw to Independence, northshaw, southwest on Renshaw to west on Independence to Farragut, Langley, east on Langley to Rowe, west on Farragut to Knox Road, and southwest on Rowe to Knox. and north on Knox Road to Halsey. Wherry houses in the Vieweg first Wild Oat" is a wonderfully Gallic gation comprised of Firth Pierce, grade zone include all houses en-Bonita), east on Prospect to Dora- east on Independence to Renshaw,

> lowing symposia: history of the Carricart). Desert Park School first grade ocean, boundaries of the ocean, the zone includes all Wherry houses enclosed by a line drawn from the zone includes all houses to the Halsey. corner of Prospect and Bonita, go- north and east of a line drawn ing north on Bonita to Searles, east | from the corner of Knox Road and on Searles to Dorado (including Halsey, east on Halsey to Laurithouses on both sides of Bonita and sen Road, south on Lauritsen to Searles), north on Dorado to San- Groves, east on Groves to Richdora, east on Sandora to Cisco (in- mond Road, north on Richmond junior high campus located at the Dorado and Sandora), south on and Bowen to Blue Ridge. Also Cisco to Arondo, west on Arondo included in the Richmond fourth to Dorado (including houses on grade zone are those Wherry

Research Department story in to- west on Prospect to Bonita.

Second Grade Richmond School second grade les to Dorado, north on Dorado to June 30, 1960. zone includes all houses to the Sandora, east on Sandora to Cisco. Effective September 1, the early north and east of a line drawn south on Cisco to Nadeau (includfrom the corner of Knox Road and ing houses on both sides of those ance in the overall strength of the nounces a competitive promotion examina- Halsey, east on Halsey to Laurit- streets), then west on Nadeau to Navy.

includes all houses enclosed by a Road and Halsey, going east on ritsen to Tyler, east on Tyler to Children new to the district who Richmond Road, south on Richmond tee to Lauritsen, north on Lauritsen, signment to school and class can Hussey (including houses on both sides of Langley), north on South Kindergarten zoning has not Hussey to Independence, northwest been completed at this time. Par- on Independence to Forrestal, west ents of kindergarten children will on Forrestal to Knox Road, and

Vieweg School second grade zone includes all trailers and all Navy regarding which school their Station housing to the south and nildren will attend and what time west of a line drawn from the they will be expected on the first corner of Knox and Forrestal, east on Forrestal to Independence, The first day session of kinder- southeast on Independence to small group of mothers and child- sey to Langley, west on Langley to ren may go to school for a one- Rowe, and southwest on Rowe to hour period. On Wednesday, Sept. Knox. Houses in the Wherry regular three-day kindergarten zone include those houses enclosed by a line starting at the corner of Because of the difficulty of vis- Carricart and Bonita, north on sides of Carricart).

Desert Park second grade zone ncludes all houses enclosed by a pect and Bonita, going north on Bonita to Searles (including houses Richmond School first grade zone on both sides of Bonita and Searncludes the area north and east les), east on Searles to Dorado, Arondo, west on Arondo to Dora-Prospect to Bonita.

Third Grade

Richmond School third grade north and east of a line drawn

Groves School third grade zone includes all houses enclosed by Road and Halsey, east on Halsey vest on Franklin to Knox Road, to Lauritsen, south on Lauritsen to Groves, east on Groves to Rich-Vieweg School first grade zone mond Road, south on Richmond cludes the trailer court and all Road to Santee, west on Santee to

Vieweg School third grade zone includes the trailer court, and all The Congress will be devoted to do, south on Dorado to Carricart, south on Renshaw to Langley, east mond Road to Santee, west on and west on Carricart to Bonita on Langley to Rowe, and south- Santee to Lauritsen, north on Lau-(including houses on both sides of west on Rowe to Knox. All Wherry ritsen to Independence, west and houses are in the Vieweg zone also.

Fourth Grade Richmond School fourth grade north on Dorado to Prospect, and by a line drawn from the corner of authorized one-month early separa-Prospect and Bonita, going north tions for enlisted men slated for on Bonita to Searles, east on Sear- release from October 1, 1959 through

> Rocketeer Deadlines News, Tuesday, 4:30 p.m. Photos, Tuesday, 11:30 a.m.

CHINA LAKE FILM SOCIETY "The Wild Oat" Mon.-Tues. Aug. 31 - Sept. 1 8 p.m.



Aug. 27 100 65

TEMPERATURES

Vol. XV, No. 34

U. S. Naval Ordnance Test Station, China Lake, California

NAVAL DRONANCE TEST STATION •

Geo. Chilson Named New Police Chief

Geo. W. Chilson has been named as the new Police Chief to replace George W. Sullivan, according to an announcement this week by LCdr. Victor A. Egger, Head of the Security Division. Sullivan officially retires today

after 15 years at NOTS. Monday, the new chief will assume the responsibility for the operation of the Police Branch which maintains a 24-hour vigil of enforcing law and order, security and Station regulations, and protection of STATION DISPLAY-Dr. Irving Rehman, Oceanic Research Division,

Employed here since December 1944, Chilson served as Assistant Police Chief from 1945 to 1951, then became head of the Personnel Security Branch-often referred to as Insurance Group "Identification" - which is responsible for personnel clearances and the issuance of all NOTS Station Studies New Plan

William E. O'Neill will now head the Personnel Security Branch.



G. W. Chilson

trio were Station officials, law enforcement officers, community and

Sullivan, pointing to Chilson, said, of present group coverage, "A good man is taking over for me." To this the new Chief replied "It is by your long years of effort Sidewinder Meet organized Police Force—and it is Scheduled Here my determination to maintain the high standards which you have established."

Plan Now Some Station Facilities

Will Close Labor Day The Commissary Store and Navy Exchange facilities will be closed Monday, September 7, in observance of Labor Day except the following: Open

.... 8 a.m.-4 p.m. Service Station ____ Outdoor Shop 8 a.m.-4 p.m. CC Snack Bar 7 a.m.-10:30 p.m. CC Dining Room 5 p.m.-9:30 p.m. Snack Bar 7:30 a.m.-7:30 p.m.

Marine Exchange Hours New hours at the Marine Corps Exchange are: Monday through

... 9 a.m. - 5 p.m. Friday 9 a.m. - 1 p.m. Saturday . The Marine Corps Exchange will be closed Saturday, Sunday and Monday, September 5, 6 and 7, in observance of Labor Day.

government and personal property. explains NOTS exhibit on locomotion by undersea creatures at the Western Electronic Show and Convention in San Francisco at the Turkey, along with 52 other Turk- ing in America. This report will be lence parallels that of retiring Chiefs Sullivan and Leslie, for he famed Cow Palace. A Sidewinder was also displayed. Others with the also served on the Los Angeles Po- NOTS exhibit were: Stanley Sessions, Oceanic Research; Ray Sinnott, lice Force for 21 years, of which 15 Presentations Division; LCdr. E. P. Coleman, Air-to-Air Weapons Diviwere spent with the Detective Di- sion; J. P. Nicholson and Mel Dull of the Electromechanical Division, terminedly began to learn every- to promote understanding among The NOTS display will be sent to the Instrumentation Society of Ameria thing she could about China Lake, the peoples of the world through ca meet to be held at Chicago, September 21-25. Local Projects Are WESCON Exhibits

Broader medical coverage and simplified claims-handling procedures are features of a new Califor- evident at last week's West-Over 100 persons attended the nia Physicians' Service health in- ern Electronic Show and ready wide knowledge of mathefarewell party honoring Sullivan surance plan now under consideraand the Leslies, Tuesday night at tion by the governing committee of tion by the governing tion by the governing committee of tion by the governing tion by the g the Community Center. Among the NOTS Employees Medical In- co's Cow Palace. those paying tribute to the retiring surance Group, according to the The Station's Oceanic Research ommittee chairman, Sol Sherman, and Sidewinder displays were

The committee hopes to provide among the 960 exhibits provided by a plan which will be attractive to over 850 companies and organizamore employees than the relatively tions, while David Skaar's "Auto- University in Ankara next year, in small number covered under pre- matune" competed with scientific preparation for a career as an vious plans. At present, fewer than projects of 36 other high school stuone third of eligibles are participat- dents from California, Washington,

The proposed plan would entail a waii.

e. Copies will be distributed to of previewing some of the most re- and the Elders. mployees next week and will be cent advances in the electronics will be placed in major work areas of the electronics industry, were given by experts in the field. and at the Insurance Office.

civic leaders of Ridgecrest and Chi- be used as a basis for further com- the third annual Future Engineers sketch the object, asking what it who visited Luxembourg this sum-During the party retiring Chief it will be done without interruption bullivan, pointing to Chiles and the party retiring to Chiles and what it is used for.

Show, won second place in the competition, with an accompanying \$600 sketch the object, asking we is and what it is used for.

A no-host reception will be held H. G. Wilson To Talk

Monday night, August 31, from 6:30 At Supervisor's Lunch to 8 in honor of the Sidewinder 1C H. G. Wilson, Associate Techni- that her Samsun home is a little Nelson, treasurer. Other active IRAH Status and Planning Meet- cal Director, will discuss "The Bu- cooler than China Lake. The tem- members include Jane Wilson, ing which will convene at NOTS reau of Naval Weapons" at the perature seldom goes above 80°, fund-raising chairman; Liz Robinfrom August 31 through September | luncheon meeting of the National | she says, and ice and snow are not | son, publicity; Art Bissell and Ro-

There will be approximately 100 visitors including representatives of industry involved with the production of Sidewinder and representatives from AirLant, AirPac, BuOrd, BuAer, and CNO Op-07.

Persons interested in attending the reception should call Code 0001, Ext. 71654, before 4 p.m. today.

Stop!

Vehicle accident statistics reveal that seven percent of all Station vehicular accidents occur in the near vicinity of the Main Gate, making this the most dangerous single area on the Sta-

In the interest of aiding and improving Station safety, all vehicles are required to come to a leaving the Station.

Turkish Exchange Student Begins Year at China Lake

"It's just the same!" petite Ayse Akinci exclaims over and over as she learns more of the American way of life. Contrasting what she sees here with what she has known in Turkey, the 16-year-old graduate of the Turkish school system has found reason to say "You do in America; we do at home," countless times.

rived at Los Angeles' International AFS father, Larry Elder, took all Airport several weeks ago, and three of his girls to Los Angeles, was met there by her American where among other activities, they Field Service "family" for the year, Mr. and Mrs. Larry Elder, and their daughters Lynda and Cheryl who live at 313 Cisco (Wherry). year, Ayse will report to the stu-After a day or two of loafing folowing her 48-hour flight from graduated upon the life she is livish students who will attend high read to each of the school's classes. schools throughout Southern Cali- thus furthering the purpose of the

its people, and nearby points of the young people. **Exchange Students** Accompanied by either Cheryl Ayse is the fourth exchange or Lynda, Miss Akinci has met student to enter Burroughs High many of the youngsters with whom | School, She has been preceded by she will attend classes at Bur- Hans von Durckheim, 1958-59, from roughs. One of two students chosen NOTS prominence in the to represent her coeducational high scientific world became more school in the exchange program, Avse has registered for courses that will help her retain her al-

the necessary examinations and

Surprise Visit The teen-ager's unplanned meet-Oregon, Utah, New Mexico and Haing with Yavurz Kansu, the only rate increase which would, in the Wescon, the West's International Turk included in the group of incommittee's opinion, be reflected in electronic fair, was the joint effort dustrialists from NATO countries of the 7th Region of the Institute visiting the Station last week, has of present restrictions on pre-exist- of Radio Engineers and the West- been just one of the delights of ern Electronic Manufacturers As- China Lake. Mr. Kansu, the manager of an aircraft plant, upon beployees insurance needs has been NOTS personnel attending the ing informed that Ayse was here, Germany; Peter Vicens, 1957-58, epared by the insurance commit- Show were afforded the opportunity immediately arranged to meet her from Spain, and Ghita Thome,

A talented and trained artist, yailable at the Insurance Office in field. Two and one-half-hour-long Ayse has occasionally utilized her ing the summer of 1958 as the Burthe Housing Office Building, Boxes "technical sessions" providing in- ability in rather unusual fashion roughs exchange student. Other for collection of completed forms formation on 42 different aspects during her few weeks here. Upon China Lake young people who were encountering something with chosen to represent America which she is not familiar, she is abroad include Judy Wilson, 1957, Results of the questionnaire will David Skaar's exhibit, included in likely to reach for a pencil and visiting Germany; and Linda Shea,

She is the oldest of three childscholarship to be used at the college or university of his choice. The ren of a military family. Her fathlege or university of his choice. The first-place award of \$1000 was made to Sidney Hoover of Los Altos for his exhibit "Spark Photography."

er, a dental technician in the Turk-concerned with the need of greatish Army, has been stationed at the Black Sea seaport of Samsun for the past seven years.

Lake organization are: Leona Os-

Although there are portions of borne, president; Mary Highberg, her country climatically similar to corresponding secretary; Ruth Elthe Mojave Desert, Ayse reports der, recording secretary, and June Supervisors Association next Thurs- uncommon during the winter land von Huene, who comprise the day, September months.

3. The meeting A six-year-long study of English will convene at has enabled the exchange student 11:30 a.m. at the to speak and to understand the BPW Luncheon Club Club, according to William Daning adeptness, considering that her Holds First Election outline the mer- month school term.

Welcome Addition reaus of Ordneffect of the combination in rela- welcome addition to the family. Club's Sun Room.

ger of the Bu-

tion to NOTS.

supervisory position, GS-5 or high- says Ruth. Guy Porter, Ext. 71412. to some of the attractions of the urer.

Friday, August 28, 1959

Ayse (pronounced "aysha") ar- | Southland. Last Wednesday, her explored Disneyland.

Monthly Report

Each month during the school dents of the school from which she



Ayse Akinci

1956-57, coming from Finland. Lynda Elder visited Sweden dur-

The local American Field Service Committee for Americans Abroad,

Mr. Wilson will hours each week during the eight- sional Women's Luncheon Club was elected at the August 18 meeting. Part of the bylaws were voted Ruth Elder, the Enginering De- on with the balance to be reviewed H. G. Wilson ance and Aero- partment's personnel clerk, states at the next meeting to be held nautics and will speculate on the that her third "daughter" is a truly Wednesday, September 2, in the

"She's most considerate, quiet but | The charter slate of officers of New members will be installed has a wonderful sense of humor, the organizing club consists of: at the meeting. Any employee, in a and fits into the family so well," BevAnne Ross, president; Dorothy Vandaveer, 1st vice-president; er, is eligible to become a member. Perfecting her swimming and Claire Wilde, 2nd vice-president; Luncheon reservations should be learning to dive has required quite Beverly O'Neill, recording secremade with William Danley, Ext. a bit of Ayse's time since her ar- tary; Lonie Cox, corresponding seccomplete stop upon entering or 72794, Cheever Evans, Ext. 72633, or rival. And she has been introduced retary; and Audrey Nichols, treas-

ley, Association only experience with it has been The Executive Committee of the president, through classroom study - three China Lake Business and Profes-

Research Dept. Function Outlined

THE ROCKETEER

BuOrd Approval Launches Organization Into Expansion and Enlarged Program

Approval has been received from the Bureau of Ordnance for the establishment of organizational changes in the Research Department. Most of these are the culmination of plans initiated by Dr. Howard A. Wilcox during his appointment as Head of Research Department and Assistant Technical Director for Research from May, 1958, to February, 1959. These plans have become functional under the leadership of Dr. William S. McEwan, present Head of Research Department and Acting Assistant Technical Director for Research.

the addition of one group and two cation, guidance and radar research. This unit conducts research on divisions at China Lake and one Dr. J. R. Hechtel, physicist and the mechanisms of free carrier abdivision at NOTS, Pasadena. The head of the branch, and John A. sorption, lattice absorption, intrinnew functions are: the Astronauti- Seeger, electronic scientist, com- sic absorption, body structure, and cal Sciences Division, Code 502, un- pose the personnel. der the supervision of Dr. Gilbert J. Plain (acting); the Oceanic Research Division, Code 508, headed gas dynamics, thermodynamics, ed precise methods of measuring by Dr. Rene L. Eagel at China Lake, and the dynamic instability of the reflectance, phase change upon reand Thomas G. Lang. Code P508, at interaction of gas flow and com- flectance, film thickness and sur-Pasadena; and the Techniques and bustion. Devices Group, Code 5009, under the Branch personnel are E. W. Price, precise methods of determining the supervision of Fred H. Davis.

Other changes within the existing head; physicists J. E. Crump, H. available to describe the various divisions have become effective B. Mathes, M. R. McGie, H. T. Louie radiation absorption mechanisms since last December. Dr. Ronald A. and R. L. Zuber. Others are A. J. in solids. Henry has been named acting head Ballew, engineering aid; Eleanor Branch personnel consist of Dr. of the Chemistry Division; and the Manos, stenographer; and J. H. W. F. Koehler, acting head; Dr. H. Analog Studies Branch, Code 5075, Sprouse, ordnanceman. under the supervision of Albert F. Zernickow, has been added to the Mathematics Division.

the Physics Division. New branch- ducted in this branch. es recently formed are: the Electricity and Magnetism Branch, Code apparatus to generate the metallic Hall effect. 5013, under the supervision of Dr. vapor jets, to increase their speeds ics Branch, Code 5017, under the the pertinent flow parameters. The supervision of Dr. E. G. Bauer.

The former Mechanics Branch is namics and magnetohydrodynamics. now the Plasma Physics Branch. Cede 5015, under the supervision of the general problems associated W. A. Allen; the former Warhead with the flight of missiles of com-Research Branch is now the Dy-parable speeds, the design of atomic detection. namics of Solids Branch, Code 5016, weapons and fusion reactors, the under the supervision of John Pear- interception of enemy missiles, and

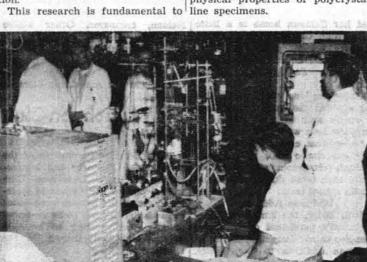
The new Physical Optics Branch, the re-entry problem of ICBM's. Code 5018, under the supervision of Headed by W. A. Allen, supervi-Dr. Wilbert F. Koehler, replaces the sory physicist, the remaining per-Atmospheric Physics Branch which has been absorbed by the Astronautical Sciences Division; and the loy, and D. B. Ray, J. W. Rogers, mechanical engineer, and Ella Koben replaced by the Solid State walsky, secretary, complete the Physics Branch, Code 5019, under staff. the supervision of Dr. Vincent R. Honnold.

Techniques and Devices Group

Devices Group are to develop new techniques and devices, investigate and demonstrate the feasibility of Under the direction of John Pearnew ideas and concepts for the advancement of the state-of-the-art in neer and head of this unit are phytechnical areas related to present sicists M. E. Backman and L. E. and future weapons and systems.

physicist and head of the group are from the Station while studying un Waiter D. Caffery, electronic scider a Fellowship grant. entist, and Cass Roquemore, engi-

Physics Division



PROPELLANT PROCESSING-Shown is a Solubility Apparatus used M. E. Caro, mathematics aid. to determine how soluble various propellants and explosives are in different solvents. This leads to improved mixing techniques and better understanding of propellant compositions. Personnel (I-r) are: Carl Physical, chemical and ballistic compositions. Halsey, Duane Pearl, Mary Williams, John Gonzales, Charles Stanifer. properties of propellant formula- Research is related to the gen-

The most significant changes are the general problems of communi-

Fluid Dynamics Branch The branch conducts research on

supervisory physicist and branch fundamental optical constants are

Plasma Physics Branch

Research on the phenomena associated with the flight and impact

The experimental aspects include tivity, electrical conductivity and

This research is fundamental to the heat transfer associated with

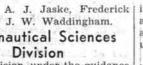
Dynamics of Solids Branch

This branch conducts research on the behavior of metals under conditions of impulsive loading. The magnitude of the pressure pulses is Functions of the Techniques and in the range 1 to 10 million pounds Under the direction of John Pear-

Cosner, E. W. LaRocca, physical Other personnel with Fred Davis, metallurgist, is presently absent

Crystal Physics Branch

Dr. E. G. Bauer, physicist, con physical properties of polycrystal- LaMarca, A. J. Jaske, Frederick including the synthesis, evaluation,



This division, under the guidance

Atmospheric Physics Branch night sky by photometry from an the lighter elements. observation facility located on Cactus Peak within the area of NOTS. tal investigations which lead to Instrumented free flight balloons new and improved fuel and oxidizer are utilized for upper atmosphere studies. Gravimetric and magnetic field operations adapting standard the group. Other chemists are: Dr. procedures of geophysical field Herman F. Cordes, James A. Hapwork to specialized problems are pe, Dr. N. N. Ogimachi, and Dr. also conducted within the Branch. Trudy E. Smith. Clerk is Carolyn K. Odencrantz, physicist and acting nead; and physicists E. V. Ashburn, Dr. S. D. Elliott, Jr., W. C. White, J. G. Moore, E. C. Bruner, Jr., A. organic chemistry, This program is

Chemistry Division General Research Branch

face roughness. Consequently, more of systems under consideration. Saving unfold man hours of mental cal-

surface structure affecting the pro-

The investigations have provid-

pagation of radiation in solids.

E. Bennett: Dr. J. M. Bennett; and H. W. Feibelmann

Solid State Physics Branch Function of this branch is re magnetic resonance, ionic conduc-

The major piece of experimen-J.R. Hechtel; and the Crystal Phys- electromagnetically and to measure tal equipment is an electron para- clude W. M. Ayres, E. M. Bens, A. theoretical aspects include fluid dy- The theoretical aspects include the R. H. Pierson, G. C. Whitnack, H. sical electromagnetic theory.

> Inorganic Chemistry Branch heads the group of physicists which Studies are conducted primarily



ducts research on nucleation, crys- TECHNIQUES AND DEVICES-This group develops new devices and Planning, conducting and coordi- tal growth, and imperfections in the techniques for intricate and complicated research problems, investigates nating research programs in the fol- case of thin evaporated films. The and demonstrates the feasibility of new ideas and concepts. Shown is lowing subdivisions in physics is the investigations include the physical Resistor Network constructed for the solution of optical problems confunction of the Physics Division.

Electricity and Magnetism Branch
This group conducts research on sources of electromagnetic radia- tions and grain boundaries on the A. Seeger, W. D. Caffery, and Fred H. Davis, head of the group.

> Bien, and J. W. Waddingham. Astronautical Sciences

sists of one branch.

Its personnel consists of Dr. F. G. Lydon,

and the determination of chemical and physical properties of new and unusual compounds.

Lohr A. Burkardt, chemist and

The fields of synthetic interest include high-nitrogen content comof Dr. G. J. Plain, acting head, con- pounds, especially hydrazines, amines, and tetrazenes; nitrogen oxides, halogen oxides, and interhalo-Its function is the study of the gen compounds; and hydrides of

This research involves fundamen materials for propellant systems.

Dr. W. R. McBride, chemist, heads

Organie Chemistry Branch This branch plans and conducts fundamental reserch in the field of J. Krueger, and R. T. Zbur. Others largely directed toward the synare R. E. von Huene, geologist, and thesis of new fuels, new polymeric binders, new high energy plasticizers or modifiers that will be useful in propellant or gas generator

Czerna Flanagan (L) and A. F. Zernickow (r.) head of branch, are shown with Wm. Steele, Department Management Analyst. tions are investigated by this | eral problem of fuels and oxidizers for solid propellant composi-This research is directed toward tions Headed by Dr. Ronald A. Henry an understanding of the behavior of propellant compositions and the chemist, other chemists include development of superior propellants Dr. Arnold Adicoff, Dr. Wayne R. through the use of new materials Carpenter, Dr. W. G. Finnegan, Dr. Most changes have been made in of hypervelocity projectiles is con- search on photoconductivity, para- or by improved performance of Wm. P. Norris, Wm. A. Gey, Karl older materials.

ANALOG COMPUTER-Completed late in 1958, this is one of the new-

est analog computer facilities in the nation. It is used in the design and

development of missiles by solving equations that express the behavior

culations, it permits more rapid development of missiles. Mathematician

Under the supervision of Dr. Branch clerk is Jane E. Jackson. Physical Chemistry Branch acting head, other chemists in-Measurements of the physical and chemical properties of propelmagnetic resonance spectrometer. N. Fletcher, Jack M. Pakulak, Jr., lant materials and their basic components are conducted. This requantum theory of solids and clas- Williams, and chemical engineer search leads to the identification Mary M. Williams. Ordnancemen and characterization of new chemiconsist of C. C. Halsey, D. M. Pearl, cals, determination of their structure, bond energies, decomposition paths and reaction rates.

Kinaga, and W. J. Murbach

Headed by chemist D. H. Dean Mallory, other chemists consist of T. M. Donovan. Dr. T. B. Joyner, D. W. Moore, Dr. C. H. Shomate, and Alan L. Woodman.

Combustion Branch

The researches of this group are signed to generate information n the kinetics and mechanism of the chemistry of flame reactions. The gases in flames are sampled and subsequently are analyzed by gas chromatographic coupled with mass spectrometric techniques, Temperatures are measured with very fine coated thermocouples. Since free radicals play a most important role in flames, the chemisry of these species is studied.

Headed by chemist Dr. A. S. Gorion, other chemists are: C. M. Drew, Dr. Carl Heller, and Dr. S. R. Smith; physicists M. H. Hunt and Dr. R. H. Knipe; physical cience aides Helen Young and Joseph Johnson; and stenographer Charlotte Braitman

Mathematics Division The division function to plan,

onduct and coordinate research programs in mathematics is administered by division office per-C. A. Flanagan, physicist Dr. W. R. Haseltine, and M. E. Cox, administrative assistant.

Applied Mathematics Branch This unit conducts research and (Continued on Page 3)

******** THE ROCKETEER

OFFICIAL WEEKLY PUBLICATION of the TEST STATION China Lake, Calif. Captain W. W. Hollister, USN Station Commander

Glenna Mayden ... Staff Writer R. L. Lyles, PH3, Jon Fulkerson, PHAN Photographers
Art Illustration by Technical Information

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Research...

(Continued from Page 2) performs analyses on problems pertaining to various branches of termination of its composition. mathematics and to applications of these disciplines to many technical sions, physicists Jack Lovett and fields. The scope of the branch is Firth Pierce make up the staff per-

purposely wide. These activities are important in Deep-Sea Research Vessels Group basic mathematical research and in the solution of technical prom- the design of a deep-sea research 173. Under supervision of a Budget Analysis lems concerning the design, beha- laboratory capable of reaching the of higher grade, incumbent will be assi

Zilmer, mathematician, and acting stable bouyancy by means of sys- quests for increases in funds, etc. head of the group, other mathema- tems having compressibility and Budget Analyst, GS-560-9, PD 18140, Code Dr. T. L. Reynolds, Dr. R. G. Sel- ly matching those of sea water. fridge, and Dr. L. E. Ward, Jr. Absent on a Fellowship is R. E. either depthwise or horizontally in

Analog Studies Branch

This branch is primarily a Station service organization. Also, it conducts research in analog computing techniques. Mathematical and physical problems that are a product of research and design by various Station organizations are solved on the computer.

Branch personnel maintain the

submarine navigation and commu

nications, more precise fathometry,

resulting in a better knowledge of

the ocean floor relief and, by cor-

Under the direction of Stan Ses

roboration with other methods, de

adapted to data processing. Supervised by Firth Pierce, other personnel are R. C. Valitchka (55) and Tom Lang of Pasadena. Hydrodynamics and Sea Animal

Locomotion Group Research is conducted on bour analog computer and axuiliary dary layer control and drag reducequipment; set up the mathemati- tion, either by suction or gas ex- reviewing the work of associated engineers cal models of various systems; haust, on rigid and flexible hydrocode and operate the computer for foils, on surfaces animated by varitheir solution; consult with, train, ous types of motions analogous to



OCEANIC RESEARCH-Wooden tank 10 feet high, 10 feet in diameter holds 6,000 gallons of water. This and other tanks in the Oceanic Research Division are used in motion picture X-ray studies for underwater propulsion and drag reduction studies and other research under controlled conditions. Personned (I-r) are: A. Robinson and R. Brooks.

and assist Station personnel on that of fishes and on the mutual inanalog computer techniques for the fluence of similar bodies moving at 7 a.m., arrives back at Lab at 4 p.m. solution of their problems.

zes the number of tests of actual drodynamic laboratory facilities. ordnance. Personnel consists of branch head, and A. A. Moline.

Statistics Branch Conducts basic research in mathcation in constructing techniques of experimental design and statistical inference.

The Statistics Branch conducts research in and provides consulting services on the statistical problems on the Station. R. S. Gardner, mathematician, heads the group Howard Kelly, Code 40606, and Jim Direction of engineering design and develop sticians Dr. K. G. Clemans and E.

concerned with planning, conduct- and physico-chemical properties re- ing supervising the inspection of contractor ing, and coordinating research lated to underwater sound propa- performace on existing special services conprograms in the following subdivi- gation phenomena, on sea surface tracts and recommending action as a result. sions of oceanography.

Group

the methods of measurement of isms. fundamental oceanic parameters Studies on nitrogen absorption in 71393 by September 4. such as temperature, pressure den- tissues and blood of sea mammals sity, light transmission, thermal are conducted to clarify the probconductance, magnetic gradients, lem of diver's nitrogen embolism of Code 502. etc., in sea water, bottom sedi- (bends). ments, and rocks.

Jack Lovett and J. S. Brugler (JP) kens. Parttime personnel are Gerald

tion and classification of targets, Rene Engel and Roland von Huene trichson of Code 4505.

parallelly in water. This research is

mathematicians A. F. Zernickow, analysis of body movement and flow bers of the bronch, consuers telephone, mo line pattern of swimming mammals and fishes is conducted at China PD 17408. Code 85. Assistant to Head, De Lake and at Marineland by means partment Staff. Prepares budget and revie ematical statistics and its appli- of motion pictures taken in ordinary light, ultra-violet, or x-ray il- quired reports, assists with personnel prolumination, and the use of various lems and in supervision of Admi

> Directed by Tom Lang of Pasaneer, other personnel in the group 72032 by September 4. are Andy Fabula, Dorothy A. Day-Baird, Code 35.

Biology Group

This group conducts research on Oceanic Research Division organisms which constitute the \$3.37 p/h, Code 7080. Supervision plankton to establish their nature Instrumentation and Recording and UV fluorescence related to wake nished to civilian and military tenants on detection, and on the influence of tenance This group conducts research on radioactivity on underwater organ-

Group

tablishing an oceanographic-type This group is concerned with re- tos Angeles area in occordance with speci- ware, pots and pans.

Promotional Opportunities

THE ROCKETEER

tions, and up-to-date Forms 58 should submitted when applying. Research is being conducted on

Budget Agnlyst, GS-560-7, PD 18004-2, Code vior, and communication of various greatest known oceanic depth of the budgetary management of the funds of c about 12,000 meters. It includes in- group of programs and duties which inclu Under the direction of Dr. D. E. vestigations on obtaining variable reviewing and analyzing estimates and re-

ticians include H. N. Browne, Jr., thermal expansion coefficients close-Unmanned vehicles operating for the overall budget document.

Management Analyst, GS-303-11, PD 18532, Smithson, and H. J. Hauer is away a layer are being investigated to Code 174. Planning, coordinating and carry supplement the observations of the ing out specific major management and manned vehicle. All vessels, manned projects in the support departments of ti or unmanned, are to be equipped Station; planning and conducting a large seg- the United Fund. with the newly developed instru- ment of the major projects in the techn ments with continuous recorders departments, etc.

GS-1312.12, PD 33322, Code 3514, Research and feasibility studies, design developmen aluation, liaison and conferences, as preparation of documentation.

Code 4554. Conferring, investigating, estimat ng, reporting, designing ordnance pilot pl Supervisory General Supply Officer and coordinating ammunition and explosi ng, directing receipt, storage, etc., for or ial, accounting, etc.

Engineering Technician (General), GS-802-11, PD 31752 Code 4532. Research and test for ction of design, development, installati and test, experimental production studies eparation of reports, drawings and docu its, as well as liaison with production fa

Electronics Mechanic, \$2.83 p/h to \$3.07 o/h, Code 3543. Duties consist of layout year's record of 23 games won, accident has resulted in injury or obscication and testing of complex electronic Members of the Pilot Plant team destruction of property, to a limit especially analog telemetry circuits umbent should be experienced in transisto ental testing and use of equip ent in evaluation of circuits and componer

Clerk-Typist, GS-3, PD 28594, Code 3014. Erbe and Manager Bob McClarry. incumbent will assist the Senior Clerk in The NAF team finished in second the Scheduling Branch, typing and distribut-

Clerk-Typist (DMT), GS-3, PD 28188Am I Code 305. Position is that of general sec-

On the analog computer many conducted principally in Pasadena, Incumbent types reports, memoranda, business tests are simulated which minimi- Code P508, jointly with C.I.T. hy- and official letters, dispatches from rough Research on visualization and fers visitors, gathers information for mem-

appointments, etc.

Administration Services Assistant, GS-341-7

dena, aeronautical research engi-

Supv. General Engineer, GS-12, PD 38007, guests will include dancing to the bell, consultant Dr. Irving Rehman, Code 5521. Head of Fuze Systems Section ment and production engineering of fuze s test and evaluation of fuze system design. Associate Supervisory Inspector, \$3.11 to phenomena such as bioluminescence Supervising the public relations services furuthorized construction, replacement and mai

> File applications for above positions wit Judy Newman, Personnel Bidg., Room 31, Ext.

Oceanic Meteorology Group

the advance of our understanding gated the year around to obtain cific Ocean. It conducts all field familiar with all types of inspection instru- "Milk Bottle Throw" to be conof underwater acoustic phenomena transient relationships between work at sea with the help of other ments and equipment and their capabilities, ducted at the Desert Empire Fair, in transient water masses, either oceanic parameters of water masses, members of the division. Primarily stratified or turbulent. It should as influenced by the ocean floor, concerned with its operation are Dr. knowledge of mochine shop, foundry, sheet er to a charity. Members of the lead to new concepts for the detec- This work is conducted by Dr. M. P. Wennekens and Peter Die- metol and electronic trades. Contact Roberto Club will sponsor this activity at

Sport Slants

By Chuck Mangold, Athletic Director

The Intramural Football League play will begin on Tuesday, September 29, with the first game of the season scheduled to be a contest between VX-5 and the Marine Corps Guided Missile Test Unit. Games will be played each Tuesday and Thursday evening at Kelly Field (high school gridiron) at 7 p.m. Tackle football will be played.

Coaches for the ball clubs will be: VX-5-C. L. Ray: Marine Barracks Lt. Don Milone; MCGMTU-CWO Liability Insurance Bob Bricker; NOTS-Dr. M. J. Coverage Upped

The second annual Marine-Navy Football Game will be on Thanksgiving morning at 11 a.m. Admission for this charity game will be 50 cents, with all proceeds going to

Last year 1500 tickets were sold,

Grant Gorman have rounded up drawn. NOTS' finest softball players of the The California Vehicle Code past 13 years to take part in this specially arranged game. The old timers, losing a 2-1 game last month, are set to regain their supremacy. Bob Kochman will do the pitching; Denny Crager the catching. Ron Denny Troxel backing him up behind the plate.

Kochman, Chuck Fritchman, Art ty of others in any one accident.' Craddock, Max Smith, Roger Short, File applications for above positions with Mildred Beck, Personnel Bldg, Room 26, Ext. Frank Amperanno, Pete Zamarron, Bert Andreason, Denny Crager, Dick place to lead the military section

THE THE PERSON OF THE PERSON		۰
of the league.		
Softball Standing	gs	
Team 1	Won	
Pilot Plant	24	
VAF	17	
Engineering	16	
Clippers	15	
7X-5	13	
Marines	7	
MCGMTU	8	
Test Dept	. 7	
CPO Club	3	

Burroughs Graduates Slate Alumni Dance

Graduates of Burroughs High School will hold their annual Alumni Dance in the Anchorage this Saturday, August 29, at 8 p.m. The admission fee of \$1 per person for all alumni and their

Party Planned for Summer Reading Club

music of the "Constellations," re-

freshments, and door prizes.

tion Moon" Summer Reading Club are invited to attend the party to be held at the Station Library, next Tuesday, September 1, at 9:30 a.m. Highlights of the party will be a story hour and refreshments.

Pasadena Opportunities Mechanical Engineer (Orgnance), GS-11 (Ap-

olicants at GS-9 level will also be considered), ments, and rocks.

Personnel concerned with this Under the direction of electronic group are Dr. Giorgio Soli, Dr. Irvscientist Stan Sessions, physicists ing Rehman and Dr. M. P. Wenne- tinuously recorded the year around and associated equipment, follow up shop 301 Dorado (Wherry). in the Santa Barbara Channel area manufacture and supervise initial assembly, are regular members of the staff. Submarine Geology and Geophysics by means of stations installed at loboratory and field tests. Requires good San Clemente Island, La Jolla, and knowledge of structural and electro-mechani-Whitnack (5052) and James Baird Research is conducted on ocean bottom topography of the Santa This research is basic to the under-Barbara Channel in the vicinity of standing of ocean currents and Roberta Jorgensen, Ext. 119.

San Clementa Jeland, Pottern rook and standing of ocean currents and Roberta Jorgensen, Ext. 119.

and must be capable of working with vendor

under the California State Financial Responsibility Law were increased to \$10,000, \$20,000, and \$5,000 on July 1st this year.

Coverage in its application to miltary personnel who hold home state and this year an all-out effort will drivers licenses and auto registrabe made to sell an additional 1000. tions, a ComEleven Notice points out that if such persons were in Tomorrow night the former Rock- volved in an accident and were unets championship softball team will able to show financial responsibimeet the VX-5 nine at 8:30 at the lity, their driving privilege in the Beer Hut diamond. Les Fairall and State of California could be with-

states:

"SECURITY . . . The security shall be in the form of money or its equivalent as determined by the department and shall be in Cordes will pitch for VX-5 with amounts of not more than \$10,000 because of bodily injury to or death of one person in any one accident and, subject to said limit for one The Pilot Plant softball team person, to a limit of not more than won the Intramural Championships \$20,000 because of bodily injury to again this season, winning 25 con- or death of two or more persons secutive games, to add to their last in any one accident, and, if the Members of the Pilot Plant team destruction of property, to a limit who will receive award jackets are or not more than \$5,000 because of Buddy Deffes, Earl Roby, Bob injury to or destruction of proper-

History of English Will Be Traced by Andrews' Lecture

Clarence A. Andrews, author, and instructor in technical writing at Lost the State University of Iowa, has chosen the title "From Hronrad to Orbit" as the title of his discourse on the history of the English language to be presented next Monday, August 31, at the Community Center at 1 p.m. Mr. Andrews is employed at the Technical Information Department during the sum-

mer as a publications editor. He will trace the origins and chronological changes in the development of the language through

Mr. Andrews is currently engagd in a program of work for the Ph.D. in English Loterature. He has worked as a technical writer and editor with his published work, aside from technical documents. consisting of short stories, articles and humorous material. He is writing a book on the life and works of Frederick Baron Corve Rolfe, English artist and author,

the Navy Wives Club will feature a potluck dinner to welcome the newly arrived wives of NOTS Marines and Sailors. Each Club member, besides bringing a specified dish of food, is also to bring at least one guest to the affair.

Any service wife who wishes to

Discarded household articles on the propagation of sound waves on the propagation of sound waves in sea water and in the unconsolidated rocks of the ocean floor.

San Clemente Island. Bottom rock movement of water masses.

This study is conducted by Ed Ashburn, Code 502.

This study is conducted by Ed Ashburn, Code 502.

Physical Oceanography

Roberto Jorgensen, Ext. 119.

Inspector (Ordnonce Mechanical Equipment Developmental) A, Code P8092.

Performs technical inspection on Underwater Ordnonce determined for the purpose of establishment of water masses.

This study is conducted by Ed Ashburn, Code 502.

Physical Oceanography

This study is conducted by Ed Conducted by Ed Ashburn, Code 502.

Physical Oceanography

This study is conducted by Ed Conducte

This research is fundamental to locality to be continuously investi- search on water masses in the Pa- fications and contracts. Applicants must be One-fourth of the profits of the inspection personnel and must have a general September 17-20, will be turned ov-

Navy Wives Club Plans Varied Activities Open To All Military Wives Next Monday evening, August 31,