

Station Club Calendar

Officer's Mess

(Open)

Friday, August 31
C.O.M. HAPPY HOUR
4:30 to 7 p.m.

CANDLELIGHT DINNER
Roast Prime Ribs of
Beef and Special Fish
Dinner

Served 6 to 10 p.m.
Dance to the Continentals
8 to midnight

Reservations Please

Saturday, September 1
FAMILY SPAGHETTI DINNER
with Wine

(Special Children's Menu)

Served 6 to 9 p.m.

Sunday, September 2
SUNDAY BUFFET
5 to 8 p.m.

Club and Bar open
4:30 p.m.

Monday, September 3
DINING ROOM CLOSED
Dulicate Bridge

1 a.m.

Bar open 4:30 to 11 p.m.

Tuesday, September 4
Foreign Night Hungry
Hungarian Beef Goulash

Wednesday, September 5
DUPLICATE BRIDGE
7 p.m.

Thursday, September 6
TOASTMASTERS DINNER
6 p.m.

PO Club

1st and 2nd Class
Friday, August 31
PACKAGE SALES OPEN
5:30 to 7:30 p.m.

Saturday, September 1
JUKE BOX DANCE
9 p.m. to 2 a.m.

Dining Room Opens
6:30 p.m.

Bar Special:
Tom or Vodka Collins
35 cents

Sunday, September 2
SHUFFLEBOARD TOURNAMENT
2 p.m.

Monday, September 3
PARTNERS CRIBBAGE TOURNAMENT
Tragiches for winning teams
Starting time is 2 p.m.

Oasis opens at 4 p.m.

Wednesday, September 5
PACKAGE SALES OPEN
5:30 to 7:30 p.m.

EM Club

Friday, August 31
Music by the Princeton's
4-piece Combo

Also featuring the La Rosa Twins

Monday, September 3
HAPPY HOUR
7 to 8 p.m.

Dungaree Hour
4 to 6 p.m.

Tuesday, September 4
SHUFFLEBOARD TOURNAMENT
7 p.m.

Dungaree Hour
4 to 6 p.m.

Wednesday, September 5
SPORTS FILMS
7 p.m.

Dungaree Hour
4 to 6 p.m.

Thursday, September 6
SHUFFLEBOARD TOURNAMENT
7 p.m.

Dungaree Hour
4 to 6 p.m.

CPO Mess

(Open)

Friday, August 31
PACKAGE STORT
4:30 to 5:30 p.m.

Saturday, September 1
POOL OPEN
8 a.m. to 7:30 p.m.

Sunday, September 2
BREAKFAST
10 a.m. to 1 p.m.

Family Night at Pool
8 a.m. to 10 p.m.

Monday, September 3
CPO Wives Meeting
at 8 p.m.

Club and Bar Open
at 4 p.m.

Pool Opens at 2 p.m.

Wednesday, September 5
PACKAGE STORE
4:30 to 7:30 p.m.

Happy Hour
5:30 to 6:30

Dining Room Open
6:30 to 8:30 p.m.

Thursday, September 6
FAMILY NIGHT AT POOL
2 to 10 p.m.

NOTICE

Dance featuring The Continentals
Friday, September 17, Dance from
9 p.m. to 1 a.m.

SHOWBOAT

TODAY

"REPRIEVE" (106 Min.)
Ben Gazzara, Stuart Whitman
7 p.m.

(Prison Drama) From the true story of John
Resko, convict-painter who was sentenced to
the electric chair, was committed to life in
prison, attempted escape and finally rehabili-
tated to become a "Name" painter to sup-
port a daughter and find freedom. Loaded
with stars, this is top of its kind.

(Adults and Young People)

SHORT: "Bye Bye Bluebird" (7 Min.)

SATURDAY

"MATINEE—
"WIZARD OF BAGHDAD" (92 Min.)
Dick Shawn
1 p.m.

SHORT: "Shove Thy Neighbor" (7 Min.)
"Zorro's Black Whip" #9 (14 Min.)

—EVENING—
"RIDER ON A DEAD HORSE" (72 Min.)
John Vivyan, Lisa Lu
7 p.m.

(Action-Drama) Three prospectors strike it
rich but fight over the gold. One is left for-
dead and nursed to health by a young
Chinese girl. A bounty hunter and Indians
add action galore.

(Adults and Young People)

SHORT: "Under Carib Skies" (10 Min.)
"Howdy Partner" (20 Min.)

SUN.-MON.

"NAKED SPUR" (91 Min.)
James Stewart, Janet Leigh, Robert Ryan
7 p.m.

(Outdoor Drama in Color) Jimmy trails and
captures a wanted outlaw but has to cut in
two others when they find out about a
\$5,000 reward as they head for Abilene. A
tact script with no wasted time. (Adult)

SHORT: "Honey's Money" (7 Min.)
"Leaping Dandies" (10 Min.)

TUES.-WED.

"THIS COULD BE THE NIGHT"
Jean Simmons, Paul Douglas
Anthony Franciosa
7 p.m.

(Comedy-Drama) Laughing about a school
teacher who augments her income as secre-
tary in a honky-tonk New York nightclub. Her
clashes with one of the partners set the
screen fun.

SHORT: "Calypso Cat" (7 Min.)

THURS.-FRI.

"ADVISE AND CONSENT" (139 Min.)
Charles Laughton, Henry Fonda,
Frankot Tone, Peter Lawford
7 p.m.

(Drama in Color) Political story of the in-
vestigation of a presidential appointee to
Secretary of State. The controversial ap-
pointment causes both dirt and dignity to be
exposed as Congress pries. (Adult)

Chuckles

"I want a bottle of pop," said
a tousled-haired mite, plunking
a nickel on the counter.

"Pop costs 10 cents," said the
storekeeper.

The youngster asked for a
candy bar and received the same
reply. He selected several other
items and was told that each cost
a dime. Finally, the boy turned
with disgust and started to leave.

"You've left your nickel on the
counter," the storekeeper called.

"You keep it," the lad snap-
ped, "It ain't worth nothin'."

DEMAND EXCEEDS SUPPLY

Sales List in Offing For Concert Seats

Last season's boom in con-
cert ticket sales is expected to
make a repeat performance,
according to Bruce Werten-
berger, chairman of this sea-
son's sales drive.

"The backbone of the Con-
cert Association has always
been the renewal patron,"
states Dr. G. S. Colladay, pres-
ident of the board of direc-
tors, "and the policy of the
Association is not to sell tick-
ets to new members until each
current member has stated his
option. Since we had a sell-
out season last year, we can-
not know how many seats will
be available."

To insure the opportunity
to buy a season ticket, send
a postcard with your name
and address on it to:
NOTS Civic Concert Assoc.
P. O. Box 5377
China Lake, Calif.

Your name will be placed
on the preferential sales list
to be called upon after the
renewal sales, but before
the general sales.

There will be no advance in
prices and four concerts will
be offered. Tickets are \$12,
\$10, and \$8.

The opening attraction will
be a European company mak-
ing its first American tour. A
rising young American so-
prano from the Metropolitan
Opera will be the next guest
performer followed by a finely
balanced string ensemble.
Final production of the con-
cert series will be a group
which presents songs, ballet,
and drama by one of the great-
est names in modern Ameri-
can music. Names of the art-
ists will be not announced un-
til the renewal letters are sent
out on September 12.

Meetings

STWP members will hold
their first meeting following the
chartering of the Sierra-Pana-
mint Chapter of the Society of
Technical Writers and Publish-
ers next Thursday, Sept. 6 at 8
p.m. in Conference Room A,
Michelson Lab. Dr. St. Amand
and a panel of three members,
Jack Bain, Earle Kirkbride and
Frank Lint will discuss "A Sa-
vant on Madison Avenue; or A
Scientist Looks at the Technical
Information Field."

CHINA LAKE Ladies Golf As-
sociation members will hold a
luncheon at noon, Sept. 5, in the
Station Restaurant. Golfers from
the surrounding area are invited.

ASCE members will take a
field trip to the California Elec-
tric Power Plant near June Lake
on Saturday, Sept. 8. A tour of
the plant and a picnic has been
planned.

BRIDGE enthusiasts are in-
vited to attend the first in a se-
ries of bridge lessons which will
start at 6:30 p.m. Wednesday,
Sept. 12, in the Community Cen-
ter.

CHINA LAKE Women's Bow-
ling League will hold their annu-
al meeting Wednesday, Sept. 5,
in Room B of the Community
Center at 7:30 p.m. to discuss by-

UCLA Spring Semester Registration Starts Tues.

Registration for the fall se-
mester of the UCLA Graduate
and Extension Program at China
Lake will be conducted from 4
through 14 September in the Ed-
ucation Office, Room 1004 Mich-
elson Laboratory, each working
day from 9:00 a.m. to 1:00 p.m.
The registrar is available
throughout the lunch hour, but
not before 9:00 a.m. or after 1:00
p.m. Classes are scheduled to be-
gin the week of 10 September.

Enrollment fees are payable at
the time of registration, but each
Station employee who success-
fully completes a technical or ad-
ministrative course will be eligi-
ble for a tuition refund at the
conclusion of the semester, if
he presents at the time of regis-
tration a completed Form 11ND
12410/19, "Tuition Refund Cer-
tificate and Training Agree-
ment."

Students who do not have ac-
cess to Michelson Laboratory,
where the classes will be held,
are urged to register by 6 Sep-
tember, in order that arrange-
ments may be made for class-
room admittance.

The titles, units of credit, fees,
meeting days, and instructors for
the fall semester courses are list-
ed below:

Economics 140, Introduction to Statistical
Methods, 3 units, \$40.00, Monday, Wednes-
day, 4:30-6 p.m.; Instructor M. D. Horton.
Engineering 120A, Intermediate Fluid Dy-
namics, 3 units, \$45.00, Tuesday, Thursday,
6:30-8 p.m.; Instructor R. W. Van Aken.
Engineering 136A Introduction to Control
Systems Theory, 3 units, \$45.00, Monday,
Wednesday, 6:30-8 p.m.; Instructor W. B.
Simenka.
Engineering 183A, Probability and Stochas-
tic Processes for Engineers, 3 units, \$45.00,
Tuesday, Thursday, 4:30-6 p.m.; Instructor

Education Director Earns Top Award

The climax to 9½ years of significant service at NOTS came
to J. R. (Dick) Felton last Friday, his last day of employment,
when he was presented the coveted Meritorious Civilian Service
Award by Captain Charles Blenman, Jr. The award was earned
on the basis of his exceptional contribution to the Station's
Professional Development Program.



J. R. (Dick) Felton

Since August, 1955, Felton has
been the Station's Educational
Director, Personnel Department,
and was responsible for the de-

velopment of the Station's Pro-
fessional Development Program.
It was primarily through his ef-
fort that this Program grew to
a stature and scope which has
won national recognition
throughout the Federal Govern-
ment and in academic circles.

He earned his doctorate in eco-
nomics in June, 1960, following
nine months educational leave
to attend UCLA. He was presi-
dent of the Desert Area Family
Counseling Service and was a
member of the IWW Democratic
Club.

He and his wife, Kay, and
their two children will make
their home in Lincoln, Nebraska,
where he has accepted a posi-
tion to teach economics at the
University of Nebraska.

Hurricane Testing Proves Worth of NOTS Research

Wind velocity decreased from a 130 knot force to 100 knots.
Turbulence decreased. The eye of the hurricane widened, thus
diminishing its force. Supercooled liquid water was converted to
ice.

These were the dramatic results obtained by using NOTS
generated silver iodide cloud seeding techniques during Hurri-
cane Esther in September 1961. Lt. Frank O. Baty, NAF, naviga-
tor and bombardier of an A3D jet, dropped pyrotechnics into the
hurricane's eye from 42,800 feet with the above-mentioned
results.

Dr. Lohr A. Burkardt, head
of the general research branch,
Chemistry Division, together
with Dr. William G. Finnegan, a
research chemist, invented the
process for generating silver io-
dide in large quantities. They
began their research in 1957
when Dr. Burkardt, while work-
ing on a colored smoke project,
recognized the possibilities for
producing silver iodide in large
quantities. Together they devel-
oped a control process of the
quantity, size and distribution
techniques. The process was pa-
tented last July.

Burkardt and Finnegan
worked closely with the U. S.
Weather Bureau throughout the
research period. Known locally
as Project "Cyclops," the devel-
oped techniques have now been
embodied into Project "Storm-
fury."

Dr. R. W. Simpson of the
Weather Bureau sparked the
combined effort from the start.
Naval aviation units which assist-
ed in the program were HAT-
RON 11 from Sanford, Florida;
AEW 4 from Jacksonville, and
the Fleet Weather Service at Mi-
ami, Fla.

This is a three-year research
program in which the Navy and
the Weather Bureau will contin-

ue to investigate methods for
reducing a hurricane's destruc-
tive winds.

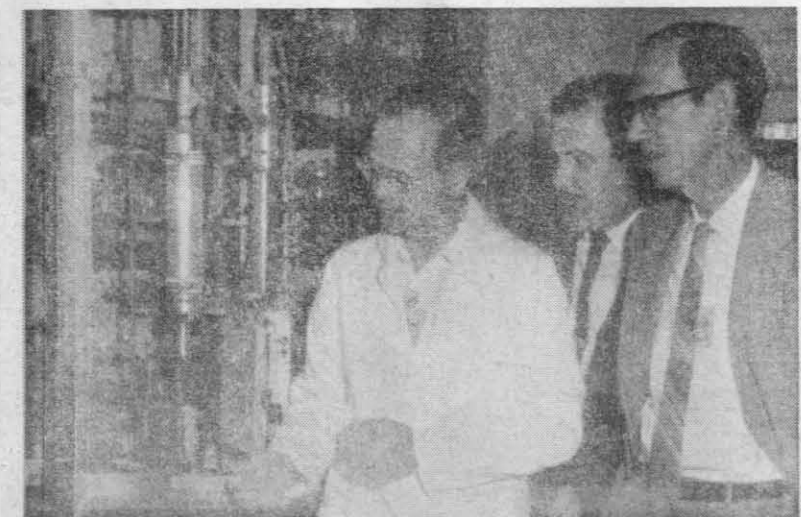
The NOTS scientists who served
as assistant project direc-
tors, were enthusiastic in their
praise of the cooperation afford-
ed them throughout the research
period by other Station military
and civilian personnel.

Dr. Pierre St. Amand served
as project director with Com-
mander W. R. Eason as Navy
coordinator. According to Doc-
tor Burkardt, Captain Charles
Blenman, Jr., not only gave full
support and cooperation; he ad-
ditionally made several valuable
operational suggestions.

Others who made outstanding
contributions were Mrs. Mary M.
Williams, Duane Williams, Otho
Hart, Glen Binns and Ronald
Noles.

H. G. Wilson, Ralph Bucher,
William Baer, Joel Trimble, R.
E. Rockwell, Graeme Henderson,
Stanley Bell, James McFarland
and Rex Smith, were also com-
mended by the inventors for their
contributions.

Cyclops stands as another in-
stance in the top-flight spirit of
cooperation which exemplifies
the NOTS military-civilian re-
search team.



HEADS IN THE CLOUDS — Dr. William Finnegan, left, demonstrates the quick ignition of silver iodide to Drs. Pierre St. Amand, center, and Lohr Burkardt. A silver iodine generation and delivery system, invented here by Finnegan and Burkardt, was successfully used in combatting Hurricane Esther last September.



SOFT SELL — Lieutenant Colonel Lester Clark, USAF liaison officer at NOTS, left, together with Captain Charles Blenman, Jr., and Dr. Wm. B. McLean, recount the Side-winder missile's merits for Brigadier General

I. L. Branch, second from right, at last Friday's Air Force Night dinner-dance in the Officer's Open Mess. Gen. Branch and a party of Air Force officers and their wives spent Friday and Saturday at China Lake.



Vol. XVII, No. 27 Naval Ordnance Test Station, China Lake, California Fri., Aug. 31, 1962

Air Force Night Voted "An Outstanding Success"

NEWS ROUND-UP

• CS Pay Bill Stalled

WASHINGTON—Another de-
lay has occurred in the Civil
Service pay bill occasioned by
House Post Office and Civil Ser-
vice Committee's not getting a
formal report on their approval
to the House Rules Committee.
The Senate PO and CS Commit-
tee plans to add its pay raise bill
to the House-passed bill. The bill
will then go back to the House
but the House cannot amend or
modify it. As of now it looks
as if the bill will adopt just about
what the President asked for
classified workers.

★

• CDR Selection Up

WASHINGTON — The Navy
has revised its promotion plans
for line officers to commanders.
Revised plan calls for a new
total of 692 officers for promo-
tion instead of 650 as earlier
planned.

★

• New Shoes—Suits

WASHINGTON — A new
"Chukka-style" shoe will soon
be issued to the fleet along with
an "air conditioned" suit for
wear in engine rooms when cool-
ing systems are shut down. The
shoes will be a regular item of
issue while the suits will be
undergoing developmental test-
ing.

WHAT'S INSIDE

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Noted Christian Science Lecturer Due Here Sunday

How scientific prayer helps to
support righteous government
will be presented Sunday even-
ing, Sept. 2 by Charles Reilly of
Los Angeles.

Mr. Reilly, who is on extended
tour as a member of the Christ-
ian Science Board of Lecture-
ship, will speak under the aus-
pices of the Christian Science
Society in the Chapel Annex, 85
King Street at 7:30 p.m. His sub-
ject will be "Christian Science:
True Government Revealed

Through Prayer."

Originally from St. Paul,
Minn., Mr. Reilly gave up a ca-
reer as a concert pianist in 1940
to devote his full time to the
practice of Christian Science
healing. For eight years he served
on the Christian Science Com-
mittee of Publication for
Southern California and also was
active as moderator for a num-
ber of Christian Science televi-
sion programs seen throughout
the world.

'Home Beautiful' at China Lake



CAREFUL UPKEEP—The Rades and Hazel Parish residence of 55-A Franklin earns this week's title of Home Beautiful at China Lake.

Quaint patio alongside residence adds to the overall quiet and pleasing effect of this well-kept home.



SAKI SHOP — Japanese Night celebrants at the Acey Duecy Club live it up. Willie Meisel, Yumiko Meisel, Jake Jacobsen, Lou O'Quinn were among those enjoying the festivities in conjunction with the 27th annual Nisei Week in Los Angeles.

Old Duplex Gas System Undergoes Conversion

A quarter-million dollar conversion project that will replace steam with gas in fifty-one duplex homes here is "moving on schedule," according to Ronnie Birdwell, Superintendent for the H. & M. Construction Company.

Begun in June, the homes involved will have 100-gallon hot



POWER TRANSITION — Fifty-one duplex homes are involved in the transition from steam to gas heating and cooling in Station's current project, scheduled for completion in October. More than a mile of gas pipe is being laid and new cooling systems installed to provide tenants with better utility services.

water tanks installed in addition to new cooling systems by October, Birdwell said.

A 20-man crew is in the process now of laying more than a mile of gas pipe along Thompson, Tyler, Groves and Lauritsen streets that will hook up with the main gas line that parallels Richmond.

Birdwell said the conversion, to include a new type cooling units, will save money for the Navy, inconvenience for tenants and add value to the duplex-type homes.

He estimated individual costs per home as "about \$5000."

Formerly heated during winter by steam from the main plant, it has been necessary in

the past to shut down an entire area of housing in order to repair a broken line in one home, it was pointed out.

A 3 x 10-foot extension that houses the new boiler tanks and cooling units is to be added to each home.

Birdwell said 102 families are affected by the pipe laying and cooling unit installation project. He commended the "outstanding cooperation that residents in the neighborhood have displayed."

"We realize that this project is proving a real inconvenience to the tenants and disrupting traffic to some extent."

"This patient understanding," he pointed out, "is going to be rewarded by this winter."

Public Works Men Cited For Good Benny Suggs

Nine Public Works Department employees received Beneficial Suggestion awards last Thursday from Captain R. W. Davidson, Public Works Officer, during a brief ceremony in Building 37.

Robert Matson and Charles N. Hollon were rewarded for their suggestion that a three-way connector plug and mesh wire covering be used as safety features on space heaters in housing unit.

Ed Calovic received his award for saving the government close to \$5,000 annually by suggesting that a wire or manila rope spooling machine be used for winding nylon line. Rewarded for his suggestion that a check valve be installed on Aviation Ordnance air flasks to prevent pressure drops below 2,500 pounds per square inch when extra-heavy loads are placed on air pumping equipment, was Anthony R. Guercia.

David I. Boyd, together with Charles E. Roulund, suggested installation of electrical outlet boxes for garbage disposal units in galleys to eliminate a safety hazard. Roulund was not present at the presentation.

Joseph E. Krakowiak was rewarded for two ideas; one, to install a flexible grease line to a forklift clutch throw out bearing thus simplifying work, and another for manufacturing and installing an engine torque mount to eliminate mounting stud breakdown.

Clyde D. Burum's suggestion that electric eyes be installed on tower lights at B mountain eliminated a safety hazard. Joseph M. Segler's modification of a pick-up's turn signal indicators to prevent their working loose,

earned him his award.

Floyd E. Rockwell recommended that a nylon ball cock be used in Capehart plumbing fixtures to prevent water from overflowing. Hazel Temple, who was not present for the ceremony, suggested that grated plates instead of grated treads be installed on outside stairways to eliminate a safety hazard for women.

Burroughs High Guidelines Given

Burroughs High School will open its doors at 8 a.m. next Tuesday, September 4, with classes meeting on a regular schedule until 2:30 p.m. Beginning at 7:30 a.m. students may pick up their program schedule cards at the following locations:

Ninth graders at the attendance office windows;

Tenth graders at the west end of Building D;

Eleventh graders at the south end of the administration building;

Twelfth graders at the east end of building C.

It is necessary for students to have their program schedule since this will be their means of admittance to classes.

World-wide Earthquakes Recorded by NOTS Team

Dates Listed for Community Center Holiday Parties

Advance notice was submitted this week concerning the availability of Station facilities for the 1962 holiday season, by Lt. E. V. English, Special Services Officer.

Available dates left for the use of the Community Center social hall and lounge (former Steak House) are listed as follows: Friday, Dec. 7; Saturday, Dec. 8; Monday, Dec. 10; Tuesday, Dec. 11; Friday, Dec. 14; Saturday, Dec. 15; Tuesday, Dec. 18; Friday, Dec. 21; and Saturday, Dec. 22.

Priority for departments and attached activities will be determined by a public drawing.

Interested organizations should call the Community Center, Ext. 72010, on or before September 18 between 8 a.m. to 5 p.m. to have their organization represented in the drawing.

The drawing will be held on October 2 at 9 a.m. at the Community Center representatives of interested organizations are invited to attend.

A list of scheduled parties will be prepared and distributed to all participating organizations.



WINS AWARD — Army's 1st Lieutenant Keith F. Vansant, serving here on temporary duties while attached to Project REDEYE, was last week presented Certificate of Achievement by Capt. Charles Blenman, Jr., COMNOTS. The award was earned by Lt. Vansant for duties he performed prior to arrival here. As the command's lone Army officer, Vansant was also given normal duty orders to serve here this week.

When the earthquake which took 16 lives and caused untold damage and suffering ripped an area in Italy last week, NOTS scientists in the Earth and Planetary Science Division observed the earth's convolutions almost as they occurred 6,000 miles away.

Richard T. Zbur, a research geophysicist, and Dr. Pierre St. Amand, division head, noted the severe quake on a portable verticle seismograph. According to Zbur, the Italian quake was extremely severe in magnitude and intensity.

He estimated it to have a force of 10 to the 23rd power ergs. The greatest earthquake release is 10 to the 25th power ergs. Ergs are units of energy measurements which derive from the Greek "to work."

A 5 magnitude quake releases energy equivalent to an explosion of 20,000 tons of dynamite. Most earthquakes release from 10 to 12 ergs, Zbur explained.

While the method of determining a quake's location and magnitude is extremely complex, Zbur stated that basically, two major seismographic readings—the time interval between a "P" wave and an "S" wave—are measured against travel time charts for the region involved.

"The 'P' wave is the primary one. It travels the fastest because it travels in a relatively straight line as contrasted with the 'S' or sheer wave which has pronounced up and down movements. The arrival time differences are factors which enable scientists to plot quake locations."

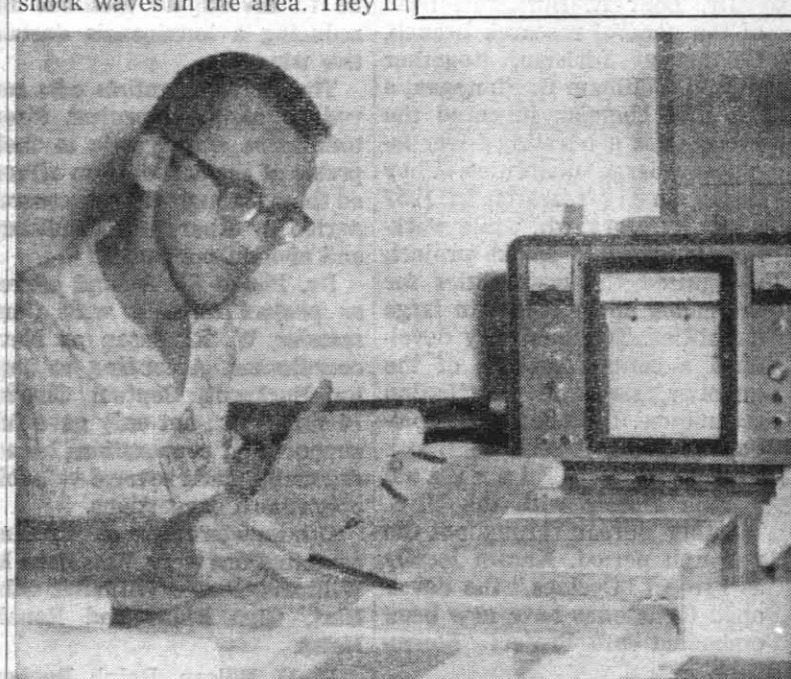
Zbur added that he and Dr. St. Amand will soon study the mountains surrounding NOTS to determine the frequency of shock waves in the area. They'll

Security Police Offer Vacation Protection

Residents are advised that the Security Police Branch maintains a vacation blotter which contains a list of homes where tenants are on vacation.

During this period of vacancy, Security Police check the quarters frequently for protection against vandalism.

This service to the community has not been generally known and residents are encouraged to make use of it for their own protection.



A GRIM STORY — Richard T. Zbur, research geophysicist in the Earth and Planetary Sciences Division, reviews the seismographic tape which recorded last week's earthquake which took 16 lives in Italy. The portable seismograph recorded the tremor within minutes after its occurrence 6,000 miles away.



IDEA MEN—Public Works Department employees, whose beneficial suggestions earned them awards, received their checks and certificates of commendation from Captain R. A. Davidson, Public Works Officer, last Thursday. L to r: Capt. Davidson, Robert Matson, Charles Hollon, Floyd Rockwell, David Boyd, Ed Galovic, Joseph Segler, Joseph Krakowiak, Anthony Guercia and Clyde Burum.

Football Preview

This college football season promises to be even more rugged than the last one, but indications point to only a slight shuffling among the top teams. At the end of last season, the top five in order were Alabama, Ohio State, Louisiana State, Texas and Mississippi.

Alabama's position as defending National Champion looks rocky, even in its own Southeastern Conference. Ohio State will be up there along with LSU, Texas and Mississippi.

In fact LSU could be the National Champion. Coach Charlie McClendon, who took over from Paul Dietzel, has 26 regulars back from last year's team that was beaten only once—in its opening game.

Ohio State lost All-American Bob Ferguson, but Coach Woody Hayes still has most of his defensive starters from last year and some outstanding replacements to cause trouble in the Big Ten.

In the East, Penn State is supposedly 'loaded' and ready to repeat its successes of last year which were capped by the Gator Bowl win over Georgia Tech. The Nittany Lions could, in fact, push themselves right into the top five in the nation.

Army Rebuilds

Among the Service Academy teams, Paul Dietzel has a rebuilding job at Army. The team doesn't appear as strong as last year's team that lost to Navy. Methods of Dietzel and his large coaching staff may make for surprises on the Hudson and elsewhere.

Navy's Wayne Hardin faces a crushing schedule with a team that has an improved Ron Klemick at quarterback. Vern Vonslow and Steve Hoy could block and tackle for any team in the country.

Falcons Ready

The Air Force, coached by Ben Martin, is hoping for another good season to dedicate the Falcon's new 40,000 seat stadium. With the move of halfback Terry Isaacson to quarterback, the Martin-men may be ready to really fly.

In the Big Ten, Ohio State coach Woody Hayes and the entire Buckeye squad have their eyes on the title and the Rose Bowl trip they missed last year. Schools like, Minnesota, Purdue and Michigan State may, just get in their way.

Bob Ferguson, the bruising OSU fullback, is gone, but the defense is still there. Dave Katterhenrich with Paul Warfield and Joe Sparma may be able to keep the attack going.

Purdue needs some replacements in the line. Quarterback Ron DiGravio is expected to spark a rugged eleven that has been tough on many Saturdays, though not all of them.

Multiple offense has been the word at Michigan State for years. Coach Duffy Daugherty may make it 'bread and butter' for a try at caviar. Lineman Dave Behrmann, a giant, will anchor the forward wall. Backs such as Sherman Lewis, Dewey Lincoln and George Saimes, barring injury, will move the ball.

All-American Bobby Bell is back as tackle for Minnesota. Coach Murray Warmath must find a replacement for quarterback Sandy Stephens and that's a tall order.

Iowa is the dark horse while Northwestern may surprise, if they can get by their first few games hale and hearty.

Dave Glinka is set at quarterback at Michigan, but coach

Air Force Day Golf



INTER-SERVICE VICTORS — Wind up to Air Force Day celebrations was a golf tournament held at the China Lake course last Saturday. Front row, l to r are: Col. Bear, Edwards, best ball; Capt. Dingus, Edwards, men's low gross 1st; Bruce Wilson, NOTS,

best ball. Bottom row l to r are: Capt. McCreery, men's low gross 3rd; Bob Bracken, men's low net 3rd; LCdr. Lentz, NOTS, men's low net 2nd; G. M. Hall, NOTS, best ball. Other scores are listed in today's Sports Slants.

Middies Warming Up For 1962 Grid Season

Naval Academy football hopefuls totaling 110 varsity and junior varsity candidates today wound up one week of training and conditioning at Quonset Point, R. I. under Coach Wayne Hardin.

Next week they will rejoin the plebes, under Coach Dick Duden, who are already at the academy. The plebes had a record 225 turnout.

Hardin, beginning his fourth season as Navy, has 25 lettermen returning from the 1961 team that claimed a 7-3 record. Capt. Steve Hoy and tackle Ron Testa, the Middies top candidate for All-American honors, head these returnees. Hoy, who played center in 1961, will be at guard this season.

The schedule, one of Navy's toughest in recent years, lists Penn State, Pitt, Syracuse, Notre Dame, Minnesota, Southern California, Boston College, Cornell and William and Mary.

John Arms, 6-2, 210-pound toter from Southeast La. College, and returnee Barney Williams, who once played at Baylor, are bidding for the No. 1 quarterback job.

Bump Elliott still must find replacements for seven starters and six second stringers—an other big job.

At Madison, everyone talks about All-American end Pat Richter, but he may not have enough help to carry Wisconsin in the rugged Western Conference.

Indiana, which lost seven games last year, and Illinois, which played .500 ball in 1962, can be still grouped in the 'have not' class.

Notre Dame, hit by ineligibilities and a too-tough schedule, will win a lot of sentiment for coach Joe Kuharich, but not many football games.

Independent Detroit has one of their top quarterbacks in Gerry Gross, but appears overmatched for national ranking.

Sports Slants

By CHUCK MANGOLD



Burrough's High football practice begins this Tuesday with physicals and the issuance of equipment. Coach Jim Riley expects a big turnout, including all of the first string from last year's squad, which sported a 5-4 record.

The U.S.S. Sperry won the 11th Naval District softball championship last Thursday by edging AirPac-Naval Air 2-0 in the windup of the 16 team double elimination tournament. Sperry will travel to Seattle next week for the Pacific Coast Regional tournament. TONY ORTEGA, NOTS PITCHER, HAS BEEN ADDED TO THE SPERRY ROSTER. After seeing this ball club in two games, we predict it will win the All-Navy championship.

Results of last Saturday's Air Force Day Golf Tournament at the China Lake course were:

Best ball of foursome—Col. S. H. Bear, Edwards; LCdr. A. Bertholson, Bruce Wilson and G. M. Hall, NOTS.

Men's low gross winners — Capt. H. R. Dingus, Edwards AFB, 76; Capt. E. C. Clark, Edwards AFB, 77; Capt. B. L. McCreery, NOTS, 78.

Men's low net winners—LCdr. A. Bertholson, NOTS, 67; LCdr. C. Lentz, NOTS, 69; Bob Bracken, NOTS, 70.

Ladies' low gross winners—Nona Turner, 101; Bernice Rice, 106; Jackie Bear, 107.

Ladies' low net winners—Reggie Hibbs, 78; Mrs. Hall, Edwards AFB, 79; Mrs. I. L. Branch, Edwards AFB, and Mrs. McDonald, NOTS, tie: 83.

QUOTE OF THE WEEK . . . Los Angeles Dodger General Manager Buzzie Bavasi, after witnessing a Mets' victory and in view of the recent violent reaction of penicillin on Leo Durocher, said, "Our players needed adrenalin worse than Durocher."

Lt. Dave Tork, former world's pole vaulting champion, has been discharged from the Marine Corps and is preparing to attend college again — this time at Southern Illinois University on an athletic scholarship. Last April Tork vaulted 16-2 for his world mark and still hopes to make the 17-foot mark and a place on the 1964 U. S. Olympic team.

Rod Laver, the winningest tennis player around today, this week began his assault on the grand slam of tennis. The red-haired left hander already has won the Australian, French, and English titles. If he wins at Forest Hills, it will be the second grand slam in history. It hasn't been done since Don Budge in 1938. Hoping to give him a run for the title at Forest Hills are Roy Emerson, number 2 seed, and Chuck McKinley, number 3 seed.

SPORTS QUIZ

1. What horse holds the distinction of winning harness racing's Triple Crown?
2. Who was last year's Rookie of the Year in the National League?
3. Where is the annual Rose Bowl football game played?
4. Who was America's leading jockey in 1961?
5. Only three Americans have ever cleared 16 feet in the pole vault. Who are they?
6. Who is the president of baseball's American League?

(Answers to Quiz)

1. Secretariat.
2. Billy Williams of the Chicago Cubs.
3. Pasadena, Calif.
4. John Uelses.
5. Dave Tork, Ron Morris and John Uelses.
6. Joe Cronin.

Pasadena Report

Virginia E. Lane — Ext. 481



LCdr. Hendricks

LCdr. R. M. Hendricks Relieves LCdr. Fluss

Relieving LCdr. Richard M. Fluss as Assistant to Public Works Officer for Pasadena today is LCdr. R. M. Hendricks who reports from the Mobile Construction Battalion 11, Port Hueneme, where he served as Executive Officer.

LCdr. Fluss, who came aboard in August, 1960, leaves for Madrid, Spain, to assume duties as Deputy OICC, BuDocks Contracts.

Previous to the MCB 11, LCdr. Hendricks saw duty with Staff, Assistant Public Works Officer for ComNAB 6; Post Graduate School, Monterey, for Management Engineering; Public Works Officer at U. S. Naval Ordnance Plant, Forest Park, Illinois; Assistant ROICC to BuDocks contracts, Zaragoza, Spain; Naval Training Center, Bainbridge, Maryland; Public Works Department, Naval Air Station, North Island, San Diego; Naval Construction Battalion in Adak, Alaska; and Civil Engineering Corps Officer School, Port Hueneme.

Hendricks began his military career with the Aviation V5 Program at Los Alamitos. He left the service to attend USC where he enrolled in the Naval Reserve Officers Training Corps, graduated in 1949 with a Bachelors Degree in Civil Engineering and commissioned an Ensign.

While in Adak, Alaska, from January 1950 to June 1951, Hendricks served with Captain R. A.



LCdr. Fluss

Davidson, Public Works Officer at China Lake and Commander R. C. Fenning, Chaplain at China Lake. At that time, Chaplain Fenning baptized LCdr. Hendricks' first child, the baby being the first born in the Naval dispensary in Adak.

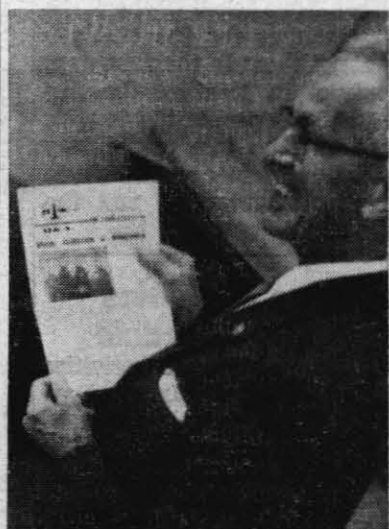
For LCdr. Hendricks and his wife, the former Martha Ben-trup, this tour of duty is a homecoming. Mrs. Hendricks was raised in El Monte and graduated from Hollywood High, and Hendricks, although raised in Bisbee, Arizona, was born in Los Angeles.

Glenn Bowlus Retires From Colorful Career

May 4, 1962, was an eventful date for Glenn Bowlus, General Engineer in the Hydrodynamics Group, P5006. That marked the day he attended the 50th anniversary of his graduation from Purdue University. To add to the nostalgia, Glenn was reunited with three former roommates and Pi Kappa Alpha fraternity brothers. He graduated from his Alma Mater in 1912 with a B.S. in Electrical Engineering. He is also a member of Tau Beta Pi, honorary engineering fraternity.

Bowlus reaches another milestone today on his retirement from Civil Service. He became a federal employee in 1945 on VJ Day. His entire government career has been with NOTS Pasadena. His most recent research work has been in Sea Animal Locomotion, and he played a major role in experiments with Notty (NOTS porpoise) at Marineland. He is presently working on Mechanical Swimming Hydrofoils at CalTech and collaborating on the report, "Swimming of Hinged Hydrofoils."

Bowlus, who was born in Ohio, Illinois, a little town 100 miles west of Chicago, was for many years an engineer in the oil industry in southern California. He and his wife, Marie, who were residents of San Marino for 28 years, have recently made their home in Laguna. They have two sons — Robert, a chemistry teacher at Pasadena City College and Don, a psychologist in the Long Beach school system, three grandsons and three granddaughters, one of whom is a journalism major at Stanford.



MEMORIES — Glen Bowlus reminisces while looking over 50th anniversary fraternity paper that honored three roommates and self at Purdue.

Safety Ideas Earn Awards

Two members of the Transportation Branch, Code P71230, were recently rewarded for Beneficial Suggestions based on safety.

Robert E. Swanson received two \$15 awards — one for over-coming "Sun Reflection on Dash Board of Vehicles," the other for "Warning Lights on Lift Trucks and on Hughes-Keenan Crane."

Paul E. Walsh was the recipient of a \$15 award for suggesting a sign be posted on Building 7 — "Lift Truck in Operation, Door Locked."

TEMPERATURES

CHINA LAKE	Min.	Max.
Aug. 24	67	102
Aug. 25	71	103
Aug. 26	74	102
Aug. 27	78	105
Aug. 28	72	101
Aug. 29	69	99
Aug. 30	68	100

NOTS Personnel Report On Eventful SCI Weekend

LCdr. T. S. Wallis, Officer in Charge, SCI, driving down by Mt. Thirst about 2:30 p.m. Sunday, came upon four shipwrecked fishermen — wet, cold, weary, and three without clothing. The Captain and three crew members of the fishing boat MELODY, out of San Diego, had come ashore after their boat hit a reef in a dense fog and sank about two miles north of China Point. The bottom was ripped out of the boat.

The three crewmen were asleep below and the Captain was topside making coffee—Capt. Joe Mayer of 11416 Eucliptus Hill Drive, Lakeside, California; Crew — Ernie Garcia, 1410 E. 6th St., National City, California; Mike Marquez, 2912 Garrison St., San Diego; Manuel Teixeira, 8541 Pine Crest Ave., San Diego.

Sore Feet

The four men had been wandering around during the cold night with only the clothing shared by the Captain three without shoes. They were half frozen, tired and had very sore feet. They had torn Mayer's shirt into strips and wrapped around their feet.

They were taken to the dispensary where Medical Officer Lt. B. L. Dong treated them for sore feet and exposure.

The men were in good condition after their night out. LCdr. Wallis reports and after being loaned good warm trousers, by the SCI crew, were picked up by the Coast Guard at 4:30 p.m. Sunday and returned to San Diego.

Ho Hum—it's all in a week end.

LCdr. T. S. Wallis and Dr. Dong report they were quite busy on the beach this week end taking care of slight emergencies at sea.

An abalone boat delivered a lady with morning sickness to the Island—patient temporarily cured and sent on her way to the mainland.

A fishing boat (abalone) with a man with a broken finger aboard—patched up and returned to the mainland.

An emergency call for help came from a boat reported sinking at 1:00 a.m. Saturday. SCI crew was on its way but sent back by the Coast Guard—everything was under control.

At 6:30 a new call for the

In a hurry to pick up a book for a friend's birthday, a man was lucky enough to find just what he wanted. As he was about to hand it to the busy clerk, he noticed that the book jacket was soiled.

"Isn't this one a little dirty?" he asked.

"Mister," he was told impatiently, "I don't know—I haven't had time to read it."

Friday Nighters Scramble For League Champ Tonight

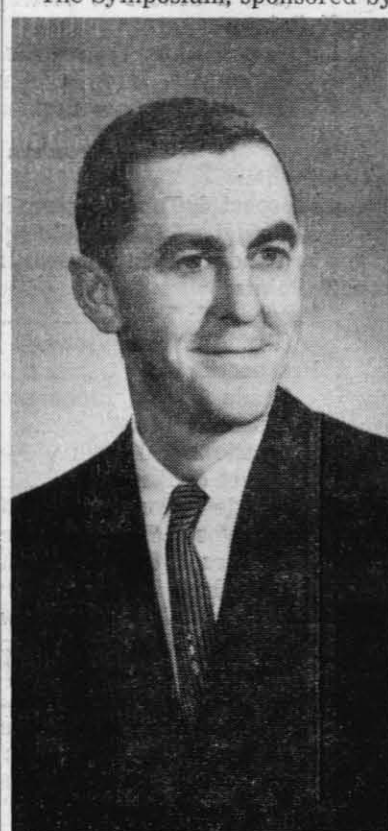
Closely matched teams vie tonight to determine league championship in the NOTS Friday Nighters Bowling League with only six points difference between low and top teams.

Team Standings		
Team	Won	Lost
Pin-Heads	37	31
Tigers	36	32
King Pins	34	34
Hart-S's	34	34
Eagles	33	35
A-Bums	30	38

Tonight's play matches the Pin-Heads against the Tigers, Hart-S's versus Eagles, and King Pins versus A-Bums.

Indications are that the championship could be won by a matter of one point, and there's a strong possibility of ties for second place.

Rooters should be at Irv Nor-ean Lanes for start of play at 6:15.



Dr. J. W. Hoyt

Office of Naval Research, is primarily concerned with Ship Propulsion Hydroelasticity.

Dr. Hoyt, whose paper describes work done on Underwater Cableway at Morris Dam and tests in the Garfield Thomas Water Tunnel of the Ordnance Research Laboratory, State College, Pennsylvania, presented his paper to the Propulsion Session—Chairman was H. Lerbs from Hamburg, Germany.

An international meeting, representatives from Japan, Germany, Sweden and the Netherlands were present.

Personnel Statistics

New Employees
Public Works — Eldon L. Cotton, Engineman (H&P).
Engineering — John F. Hykes, Mechanical Engineer.
Supply — Judith K. Flanagan, Clerk Typist.
UOD — Bruce B. Williamson, Test Mechanic.

Terminations
UOD — Alfred J. Stoltze, Model Maker (Machining); Dean Lawrence, Mathematician; Donald Close, Physicist.

You Can 'Quote Me'

In areas relating to modern teenagers, it has often been said that ownership of his own car has contributed to trouble that has later developed. How old do you think a boy should be before he is permitted to buy his own car? Do you think this contributes to later problems?



Art Pfeifer, Propulsion Development Department . . . "If he has a job and can pay for the license, buying and the general upkeep and care of the car and he's 18-20 years old, he's entitled to own a car. If he can't take care of it, no. The parents by giving him a car may be forcing a hardship on themselves. By taking a driving safety course in high school, he'll be even better qualified."



Rita Vernon, Security Department . . . "19 is about right. The majority of teenagers aren't good students because of cars. This would continue to be a factor in the ability to handle problems in later life."



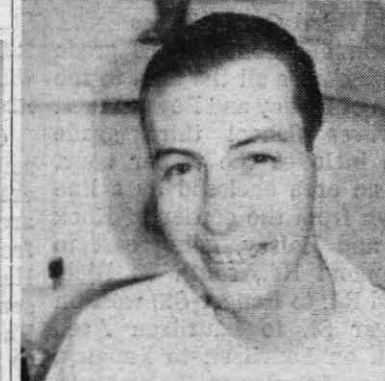
Sue Hucek, Security Department . . . "I don't think it has contributed to later problems. They appreciate it more if they earn it themselves. They don't have responsibility if it's given to them. Most of the kids wouldn't have a car in school if they had to earn it themselves."



Videen Synsteliien, AMS-3 . . . "I don't think so. It depends on the individual or the driver of the car. Problems in later life are a combination of many things, not only the ownership of a car."



J. T. Johnson, Contractor . . . "A boy should be able to buy a car when he is able to take care of it. That's what I did with my boy. Age isn't a factor. Besides possession, a license and the ability to operate an auto is a necessity. I don't think this contributes to later problems."



J. C. Cliatt, RM3, Communications . . . "Some kids are capable of handling a car when they're 15 and 16. Others are still kids when they're 50 and will never know how to act. It wouldn't be fair to deprive driving privileges from all youths under a set age."

Promotional Opportunities

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

Housing Project Manager, GS-1173-11, PD No. 211006, Code 1132 — Incumbent will act as Assistant Head, Housing Division in administering the housing policy and procedures.

Clerk Stenographer, GS-312-5, PD No. 900002 Am1, Code 1501 — This position is located in the Office of Associate Technical Director, Incumbent is secretary to the Technical Assistant to the Associate Technical Director.

File applications for above positions with Mary Watts, Room 26, Personnel Building, Phone 72723.

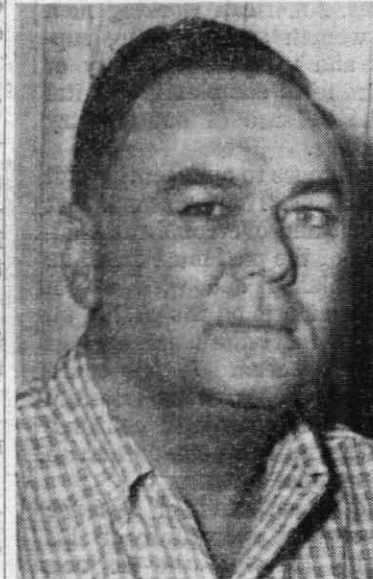
Saleschecker (WAE, GS-2091-3, PD No. 125003-5, Code 285 — Part-time saleschecker with intermittent hours of employment.

Clerk Typist, GS-322-4, PD No. 040041, Code 405 — Incumbent acts as Secretary to the Project Engineer for the SE Guidance and Control Unit.

File applications for above positions with

MEET Your Councilman

(This is the ninth in a series offered by the Rocketeer to better acquaint residents with their Community Council precinct representatives.)



Harry B. Bearman, a management analyst with the Accounting Division, Central Staff, has been serving the NOTS Community Council for one year of his 10-year stay at China Lake.

Harry serves as councilman from Precinct 10 with additional council service as chairman of the public relations committee.

Active in community affairs he also serves on the Indian Wells Valley Committee for Industrial Action. A member of the Masonic Order, he was graduated from San Jose State College in 1960 with departmental honors.

He resides with his wife, Irene, at 512 Sunset Street, Ridgecrest.

Burroughs High To Drop Night Classes

Because of low enrollment, Burroughs Evening High School finds it necessary to drop the classes scheduled for the fall semester in Citizenship, English for Foreign Born, Needlework (afternoon session), Sewing 3, Sheetmetal, Stenograph, and Woodshop.

It was further announced by W. J. Shortt, principal, that classes in Art I, Astronomical Instrument Design, Electronics, German 2, Needlework (evening session) and Spanish I are being retained on the schedule for the present. They will be given only if some additional enrollment comes in by September 4.



REPORTS TO NAF — Lt. Arthur E. Molloy reports to NAF as the new Communications and Security Officer. His last assignment was with Squadron VR-7 Det. "A", Tachikawa AFB, Japan, for nearly four years. He served with Air Group 20 on the USS Enterprise and the Lexington during WWII and earned his wings at NAS, Pensacola in '47. He and his wife, Von, and their three children have been assigned quarters at 1818-A Young Circle.



HERE'S HOW — Belle Davis, Security Department, points to the proper placement for the safety check sticker, while Sgt. "Red" Adams, vehicle control sergeant, shows the correct placement of the bumper decal. Adams emphasized that the safety sticker should be by itself in the lower right-hand corner of the windshield and not with any other decal. The registration decal for the bumper is placed on the left, or driver's side, of the bumper.

Local Teachers Introduced to Modern Math

Dr. C. Richard Purdy, Dean of Faculty, State College for Alameda County, met with the China Lake Teachers yesterday in an all day session at Murray School to give them an introduction to the Modern Math Program.

Dr. Purdy gave an overview of the Modern Math Program to the teachers in the morning and led discussion groups throughout the afternoon sessions.

The modern math content and techniques has been developed by the School Mathematics Study Group, a committee of educators and University mathematicians. This group has worked under the sponsorship of the National Science Foundation since 1958 to develop a curriculum in mathematics in the elementary and high schools that will enable the children of today to learn the new mathematical skills which the future will surely demand of many of them. The program is designed to offer students not only the basic mathematical skills but also a deeper understanding of the basic concepts and structures of mathematics.

This day of orientation for China Lake Teachers is beginning of a new era in the teaching of mathematics. In-service training will follow throughout the year for all teachers.

Other highlights in the orientation meetings during the week for teachers included a day of meetings for first and second grade teachers preparing for the new "Tag" reading program. This phonetic approach to the teaching of reading will be incorporated in all first and second grades throughout the school district. Mrs. Carma Coffin of the Ventura City Schools led the discussion of the reading program.

Parents Urged To Help Curb Area Vandalism

Several residents of the Site B Capehart housing area requested assistance from the Community Council in eliminating area vandalism at last Tuesday's council meeting, according to Harry B. Bearman, chairman of the public relations committee.

Bearman stated that air had been let out of the tires of approximately 20 automobiles in the area between 10 p.m. and daylight several nights previous. He added that lawn sprinkler heads had been taken from several yards with a loss of 18 from one yard.

Bearman stated that the Council requests parents to exercise the necessary control and supervision over their children to prevent a recurrence of these acts of vandalism. He submitted a Council reminder to parents of the 10 p.m. curfew which is being enforced by the Security Department.

Other Council business was the election by committee members of William Hattabaugh, Public Works Department, as chairman of the nine-man Area Development Committee. The committee discussed ways and means of implementing its desired goals.

Vaughn Adamson Taken by Death

Death from a heart attack last Friday night while relaxing on a fishing trip at Rock Creek brought an end to the career of a prominent employee and citizen at NOTS. At the time of his untimely death, M. Vaughn Adamson was head of the Employment Division in Personnel Department.

He had been employed at NOTS since December, 1952, and was active in church and civic affairs. He was a member and past president of the Kiwanis Club, and active in the administration of Boy Scouts affairs. He served tirelessly on the Credit Committee and on the Board of Directors of the local Credit Union.

Prior to his time at NOTS, he had served as executive director of Boy Scouts for Lassen County, Calif., and came here from Sharpe General Depot, U. S. Army. He left the Navy as ensign at the end of World War II and had completed approximately 14 years of civil service at the time of his death.

He leaves his widow, Lillian, an employee of NOTS Employees Federal Credit Union, three sons and one daughter, who reside at 39-A Hayward.

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Man's Power of Decision Is His Godly Attribute

By Father Joseph Cannon

Where there is no liberty, there is no law. That is why God, creating man in His image, willed that he be free. God wishes to possess persons—not things. The thing might be precious and beautiful, as a diamond or a tree, but it is incapable of love. It was not thus that God envisioned man. He put in man's hand a power of decision and made him responsible for his destiny.

He does not wish to constrain man, but to welcome him. God respects the creature He created in His image. He risked, in a certain sense, His creative plan. He left a participation in His Divine love up to man's acceptance.

Here on the Station, many make use of this God-given liberty to turn away from God or

to neglect Him at Mass or church services. About 1/3 of the Baptized Christians here fail to attend church on Sunday to freely return their love. Yet there is no value for man except through participation in the Absolute Value. The river cut off from its source, the branch separated from the trunk, cannot remain a river or a branch. When the connection with the vital element is broken, life ceases. If a fish, to be more free, attempts to live out of water, it will not find freedom but death.

If we try to get out of going to church and out of supporting the church and out of obeying God's law, we may some day find ourselves out of everything. Out on the outside trying to get in. Our Liberty can cut us off irrevocably from God and we will find ourselves alone—terribly alone.

'Skyshield III' Due Sept. 2-3; All Air Travel Suspended

Don't make any plans for flying from the evening of Sept. 2 throughout the next day. All but military planes engaged in "Skyshield III" will be grounded, according to the Chief of Naval Operations.

Conducted by the North American Defense Command throughout the United States and Canada, the exercise will engage only those planes of NORAD.

All airspace reservations, including restricted and warning areas under jurisdiction of Naval and Marine commands, according to the CNO notice, will be opened to participating aircraft during the exercise.

A Labor Day Message

Labor Day 1962 again reminds us of the indispensable part Labor plays in our Defense program as a partner of the Armed Forces. America's working men and women are providing supplies and weapons — many of unparalleled complexity — vital to the defense of our country and allies.

Challenges to our security still confront us. The teamwork that has met and overcome the challenges of the past must continue undiminished and with even greater efforts on the part of all of us to meet the challenges of the days ahead. We are confident that Labor as an essential part of the team will continue to make its full contribution to our national defense.

The Department of Defense welcomes the opportunity on this occasion to salute the working men and women of this country. Robert S. McNamara Secretary of Defense

Rocketeer Deadlines

News, Tuesday, 4:30 p.m.

Photos, Tuesday, 11:30 a.m.

The Rocketeer

Official Weekly Publication

of the

U. S. Naval Ordnance Test Station

China Lake, California

Captain Charles Blenman, Jr., USN

Station Commander

"J." "T." Bibby

Public Information Officer

John M. Hughes

Editorial Advisor

Staff: Phyllis Wair, Toni Goff, Neil Norum,

Jim Messner.

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The Sandblaster

By JOHN M. HUGHES

In the course of a 41-year journey through life I've managed to rack up a few minor successes which have been offset by many minor defeats. I say "minor," because in retrospect, each of the successes and each of the defeats were of stupendous magnitude at the time they occurred.

But time's passage has dimmed the lustre of the gilded laurels and has worn off the sharp edges of disappointment. As a result, they don't seem to count much today.

What I'm getting around to saying is that in today's world we hear a great deal of talk about success, and, in almost every instance the criteria for success is the accumulation of material wealth.

Several years ago a friend of mine came up with the finest definition of success I've ever heard. His theme was that there are no secrets of success. Here's what he had to say:

"Success is doing the things you know you should do. It's not doing the things you know you should not do.

It's not limited to any one area of your life but encompasses all of your relationships: as a parent, a citizen, a worker, a neighbor and as a husband or wife.

"Success is discovering your best talents, skills and abilities and applying them where they will make the most effective contribution to your fellow men. It's focusing the full power of all you are on what you have a desire to achieve.

"Success is not arriving at the summit of a mountain as a final destination. It is a continuing upward spiral of progress. It is perpetual growth.

"Success is having the courage to meet failure without being defeated. It is refusing to let present loss interfere with your long-range goal."

By the very nature of its mission — research, development and testing — NOTS affords its people an opportunity to experience the full range of meanings as contained in this definition of success.

Who here has not experienced the cycle of defeat and success? And still continues to plug away at the work which goes on in "a continuing upward spiral of progress?"

One of the largest military post offices in the world is at Yokohama. The clearing point for nearly all the mail coming to and leaving the Far East, it handles more than 25 million pounds of mail a year.

SPEAKING OF COMMUNISM
"A Communist is like a crocodile. When it opens its mouth you cannot tell whether it is trying to smile or preparing to eat you up."

... Winston Churchill

China Lake Schools Will Open Doors on Tuesday September 4

More than 2,200 students will go back to the books and classwork in the China Lake Elementary School System on Tuesday, September 4. Children who have not yet registered for school this year must be registered at the School District Office at Murray School before assignments to school and class can be made.

Elementary Bus Schedule

The following schedule is for students who live in the Desert Park and Capehart Site "B" areas.

Morning Trip

Pickup Points:	
Leaves Prospect and Toro	7:10 a.m.
Burroughs & Knox (7 & 8 Grades to Murray)	
Prospect & Toro	7:35 a.m.
Burroughs & Knox (5 & 6 Grades to Murray)	
Wherry Office, Prospect & Toro	8:00 a.m.
Sandora & Dorado (1 & 5 Grades to Richmond)	
Wherry Office, Prospect & Toro	8:00 a.m.
(3 & 4 Grades to Groves)	
Burroughs & Knox	8:20 a.m.
Stroop & Knox (Kindergarten, 2 & 3 Grades to Vieweg & Groves)	
Prospect & Toro	9:15 a.m.
(1 & 2 Grades to Vieweg and Richmond)	

Dropoff Points:	
Stroop & Knox, Burroughs & Knox	11:30 a.m.
Burroughs Gate, Prospect & Toro	
(Kindergarten to Capeharts & Desert Park)	

Afternoon Trip

Pickup Points:	
Leaves Prospect & Toro, Burroughs Gate	11:50 a.m.
Burroughs & Knox, Stroop & Knox	
(Kindergarten to Groves)	

Dropoff Points:	
Prospect & Toro	1:15 p.m.
(Grade 2 from Vieweg)	
Prospect & Toro	1:20 p.m.
Grade 1 from Richmond)	
Prospect & Toro	2:15 p.m.
(Grade 2 & 3 from Vieweg)	
Prospect & Toro	2:15 p.m.
(Grade 1 from Richmond, Grade 3 from Groves)	
Burroughs & Knox, Prospect & Toro	2:30 p.m.
(Grades 5 & 6 from Murray)	
Burroughs & Knox, Prospect & Toro	2:40 p.m.
(Grades 7 & 8 overflow from Murray)	
Burroughs & Knox, Prospect & Toro	2:50 p.m.
Grades 7 & 8 overflow from Murray)	
Prospect & Toro	3:00 p.m.
Grade 5 from Richmond)	
Stroop & Knox, Burroughs & Knox	3:10 p.m.
Burroughs Gate, Prospect & Toro	
(Grade 4, Kindergarten from Groves)	

Burroughs Bus Schedule

The following schedule will be effective September 4 and represents the China Lake area only:

Leave school	7:00 a.m.	2:40 p.m.
Stop No. 1 Leyte and Nimitz	7:07 a.m.	2:47 p.m.
Stop No. 2 Nimitz and Wasp Rd.	7:10 a.m.	2:50 p.m.
Stop No. 3 Nimitz and Dobb Rd.	7:13 a.m.	2:53 p.m.
Arrive at school	7:30 a.m.	3:00 p.m.

Second Trip

Leave school	7:25 a.m.	3:05 p.m.
Stop No. 1 Leyte and Kearsarge	7:32 a.m.	3:12 p.m.
Stop No. 2 Kearsarge and Kelly	7:34 a.m.	3:14 p.m.
Stop No. 3 Kearsarge and Bluebridge	7:36 a.m.	3:16 p.m.
Stop No. 4 Bluebridge & Lexington	7:38 a.m.	3:18 p.m.
Stop No. 5 Lexington & Enterprise	7:40 a.m.	3:20 p.m.
Arrive at school	7:45 a.m.	3:25 p.m.

Registration, Exams Scheduled For BJC

Dean Omar H. Scheidt of the local Bakersfield College announced that registration will be held at the Burroughs High School library for the fall semester which begins on Tuesday, September 4.

The registration schedule is as follows: August 24—8 a.m. to 5 p.m. August 27 and 28—5 to 8 p.m.

Prospective students are advised that the instructors give lectures and assignments on the first night of classes. It would be most advantageous to register and report on time.

Entrance and placement examinations for BJC enrollees will be given in an all day testing session next Thursday in

the Burroughs library. The School and College Ability and Reading Tests are required for all students entering Bakersfield College.

Tests are given at no expense to students, with the exception of the purchase of a blue book for their English Classification test essay. Tests will not be administered again until late this year in preparation for the '63 spring semester.

Counseling appointments may be obtained by calling FRontier 5-2348. Students must acquire immediately, one transcript from each school attended, and must have proof of, or begin their polio immunization series as required by California State law.

NOTS IN REVIEW

By PHILLIS WAIR

NOTS Telemetry Facilities Considered Among the Best

After 12 years of employment and residence at NOTS, I just found out what range people mean when they talk about the T-Pad. I had visualized a T-shaped mattress laying out in the hot sun on one of the ranges but I couldn't imagine what it was used for! Now I can tell you, if there is anyone left who doesn't know.

First, the T-Pad is not a pad at all but a local expression which describes somewhat the original radio telemetry facilities on NOTS ranges. It consisted of a slab of cement and two parked trucks with telemetry receiving and recording equipment.

The present telemetry complex, which was built in 1955, consists of three main types of radio telemetry facilities at the NOTS missile ranges: FM/FM, PAM/PDM/FM, and satellite tracking.

Headquarters for these facilities is the telemetry building which contains the terminal equipment for six FM/FM stations, two PAM/PDM/FM stations, and two satellite-tracking stations capable of recording both telemetry and Doppler data.

A permanent landline telemetry facility is installed in the G-1 radar building, while two mobile landline telemetry facilities are on hand for use at locations other than G-1 range.

Facilities for communication with and monitoring of the launcher control, range, and other critical areas are available to the test conductor in the flight-observer area of the telemetry building. Monitoring equipment includes six 8-channel direct-writing oscillographs, one 36-channel recording oscillograph, two 18-inch bargraph oscilloscopes, and various frequency counters and auxiliary equipment.

In addition to the fixed stations in the telemetry building, a mobile station consisting of antenna, preamplifier, receivers, and two tape recorders are available for downrange operation or for backup of the fixed stations. The magnetic tape record can be played back in the telemetry building for presentation of the data on oscillographic film or paper.

FM/FM Stations

The six FM/FM stations in the telemetry building consist of helical antennas, preamplifiers, receivers, discriminators, magnetic tape recorders, oscillographs, and camera oscilloscopes.

Satellite-Tracking Station

The Satellite-Tracking Station has been used to support the Explorer program and the Navy Transit program as well as many on and off station programs. The facility is equipped with two 28-foot parabolic antennas, a microlock receiving station, assorted specialized receivers, magnetic tape recorders, frequency counters and associated equipment for limited satellite tracking.

Exchange Activities Labor Day Schedule

All Navy Exchange activities will be closed on Labor Day, September 3, except the following: Golf Course Snack Bar, Bowling Alley Snack Bar, Theater Snack Bar and the Swimming Pool Snack Bar. All of these activities will observe regular weekend hours.

IWV Metal Trades Council Seeks Top EO Recognition

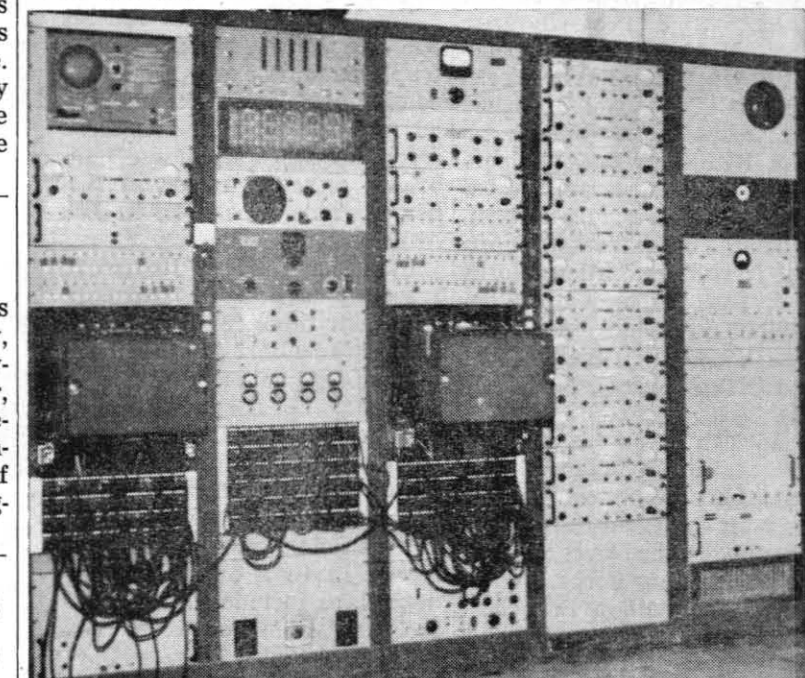
The Indian Wells Valley Metal Trades Council is conducting a drive on the Station to gain Exclusive Recognition under Executive Order 10988 for federal employees.

Exclusive recognition will be achieved when 50 percent of the per diem employees sign the recognition cards for this unit. Other types of recognition extended under the Order are Informal and Formal.

The local IWV Metal Trades Council consists of members employed in various crafts here at NOTS.

Anyone wanting information regarding the Exclusive Recognition drive under this Order should call Ed Braham, Ext. 723512.

An informal recognition was recently given by Captain Blenman, Jr., Commanding Officer, to the American Federation of Government Employees, Lodge 1781, which represents classified employees at NOTS.



Telemetry Recording Station

PIN - UP SET

STATION HOSPITAL

HILLIARD, Daniel Ray, 6 lbs. 15 ozs., born to Mr. and Mrs. Paul John Hilliard of 405-A Monterey on August 23.

SMITH, Boyd Owen, 8 lbs. 6½ ozs., born to Mr. and Mrs. Atlas Henry Smith of 213-A Hornet St. on August 24.

MERCER, Donald Joseph Jr., 5 lbs. 2¼ ozs., born to Mr. and Mrs. Donald Joseph Mercer of 222 Dorado St. (Wherry), on August 25.

LA CHANCE, Robert DeLano, 7 lbs. 12 ozs., born to Mr. and Mrs. Joseph Fredrick La Chance, Sr., of 319 Bonita St. (Wherry), on August 26.

RIDGECREST HOSPITAL

SCALLIN, Paul Anthony, Jr., 8 lbs. 12½ ozs., born to Mr. and Mrs. Paul Scallin of 148 Helena St., on August 24.

LONG, Constance Sue, 7 lbs. 11½ ozs., born to Mr. and Mrs. Loren H. Long of 520 Allen St., on August 24.

LEONARD, Rebecca Elizabeth, 7 lbs. 13 ozs., born to Mr. and Mrs. John Norman Leonard of 807-B Lauritsen on August 25.

RAY, Thomas David, 7 lbs. 15½ ozs., born to Mr. and Mrs. Ralph J. Ray, Sr., of 320 Eaton St., on August 25.

JAHSMAN, Suzanne, 6 lbs. 9 ozs., born to Dr. and Mrs. David P. Jahsman of 511 Vera St., on August 25.

CHASTAIN, Velva Lois, 7 lbs. 12½ ozs., born to Mr. and Mrs. Donald M. Chastain of 309 Aster St., Trona, on August 27.

Elementary School District Zoning Outlined

Elementary school district zoning lines were outlined this week by China Lake school officials.

It was reported that many new problems were faced this year in setting these lines, including a change in population centers due to the hundreds of housing moves, need for additional school facilities, the difficulty of projecting accurate enrollments with the many vacant houses and the rehabilitation of the Wherry houses.

Building Project Approved

In two years new buildings will be completed that have already been authorized by the federal and state government, the population will not be shifting with the many moves and the Wherry housing rehabilitation will be completed.

The zoning lines were changed somewhat this year because of the shift of population on the station. While the zoning was based on the best information available to school officials at this time there is a possibility that adjustments will be necessary during the first two weeks of school.

Better Count Possible

A better count can be made at that time of all students, including the late registrations.

Children new to the district who have not yet registered must register at the district office on the Murray School campus before assignments to school and class can be made.

The office is open from 7:30 a.m. to 4:30 p.m. Monday through Friday, except during nita, south on Carricart to Dorado, (including both sides of Carricart).

Children new to the district who have not yet registered must register at the district office on the Murray School campus before assignments to school and class can be made.

dren will be notified by card or phone call from a teacher sometime during the week of Aug. 27 to 31 as to which school their children are to attend, and what time they will be expected on the first day.

The first day session of kindergarten will be organized so that a small group of mothers and children may go to school for a one hour period.

On Wednesday, Sept. 5, classes will be in session for the regular three-hour kindergarten day.

Because of the difficulty of visualizing word descriptions of zone lines, it is suggested that parents use the map on the back cover of the Naval Station telephone directory as a reference in determining the grade level zone of each child in the family.

First Grade Zones

Richmond School first grade zone includes all the area to the north of Halsey and Bowen Aves. Also included in the Richmond zone are the Desert Park houses enclosed by a line drawn from the corner of Dorado and Carricart, going east on Dorado to Prospect (including both sides of Bonita), south on Carricart to Dorado, (including both sides of Carricart).

Groves School first grade zone includes the area enclosed by a line drawn from the corner of Knox Road and Halsey, going east to Richmond Road, south on Richmond Rd. to Ranger St., west on Ranger to Lauritsen Ave., north on Lauritsen to Langley, west on Langley to Renshaw, (including both sides of Langley) continue west on Renshaw to Knox Rd., north on Knox Rd. to Halsey.

Vieweg School first grade zone includes all of Site B Capehart housing project, the trailer court and an area enclosed by a line drawn from the corner of Renshaw St. and Knox Rd., going east on Renshaw to Langley and east on Langley to Rowe Street, west on Rowe Street to Knox Rd. (including both sides of Rowe St.) and north on Knox Rd. to Renshaw St.

Desert Park School first grade zone includes all of the Desert Park housing not included in the Richmond School first grade zone.

Second Grade Zones

Richmond School second grade zone includes all the area to the north of Halsey and Bowen Aves. Groves School second grade zone is the same as the Groves School first grade zone.

Vieweg School second grade zone includes all houses in the Site B Capehart housing project, the trailer court, and the area enclosed by a line drawn from the corner of Renshaw St. and Knox Rd., going east on Renshaw to Langley and east on Langley to Rowe St., west on Rowe to Knox Rd., (including both sides of Rowe), north of Knox to Renshaw St. Included also in the Vieweg School second grade zone is the area at Desert Park enclosed by a line drawn from the corner of Dorado and Carricart, going east on Dorado to Prospect, north on Prospect to Bonita, west on Bonita to Carricart (including both sides of Bonita), south on Carricart to Dorado, (including both sides of Carricart).

Desert Park School second grade zone is the same as the first grade zone.

Third Grade Zones

Richmond School third grade zone includes all the area to the north of Halsey and Bowen Aves.

Groves School third grade zone includes the trailer court and an area enclosed by a line drawn from the corner of Knox Rd. and Halsey, going east to Richmond Rd., south on Richmond Rd. to Ranger St., west on Ranger St. to Lauritsen Ave., north on Lauritsen to Langley, west on Langley to Renshaw, (including both sides of Langley), west on Renshaw to Knox Rd., north on Knox Rd. to Halsey.

The third grade zone at Groves School also includes an area at Desert Park enclosed by a line drawn from the corner of Dorado and Arondo Sts., south to Cisco St., (includes both sides of Arondo) east on Cisco to Sandora, (includes both sides of Cisco), north on Sandora to Dorado, (includes both sides of Dorado), west on Dorado to Searles, (includes both sides of Dorado), north on Searles to Bonita, (includes both sides of Searles), west on Bonita to Prospect, (includes both sides of Bonita), south on Prospect to Dorado and west on Dorado to Arondo.

Vieweg School fourth grade zone will include all of Site B Capehart, the trailer court and an area enclosed by a line drawn from the corner of Renshaw St. and Knox Rd., east on Renshaw to Langley and east on Langley to Rowe St., west on Rowe to Knox Rd., (including both sides of Rowe St.), north on Knox Rd. to Renshaw.

Fifth Grade Zones
Richmond School fifth grade zone will include all the area to the north of Halsey and Bowen Aves., and all of the Desert Park housing area.

Vieweg School fifth grade zone will include all of the houses in the Site B Capehart west of Knox Rd.

Murray School fifth grade zone includes all housing not included in the Richmond or Vieweg zones.

All sixth, seventh and eighth graders on the Naval Station and in Desert Park will attend Murray School.