PUBLIC WORKS AIDS RETARDED - John Cleveland, left, presents \$213 check to Don Yockey for the IWV Council for Retarded Children, as Bob Waters, right, receives handshake of thanks. Money was collected by Public Works employees in lieu of exchanging Christmas cards.

# Hope Cherry Is Art Festival

Junior High School art instruct of Laguna Beach will be the Elvis joins a small carnival and immediate tor, has been chosen chairman guest artist and will demon- "falls" for a pretty girl whose father does of this year's district show of strate collage. She will also ex- n't like him. Elvis even tries the cycle-drom the Kern County Art Festival. hibit some of her collages. Mrs. Cherry announces that the Mrs. Hufford is an exhibiting 'em and wows 'em. Step annual event will be held on member of the Laguna Beach (Adults, Youth, Children.) April 24 and 25 at the Com- Art Association, the Artists

mentary school art, high school, val of Arts for the last five and adult amateurs. Profession- years. She is a versatile artist, al artists will have an exhibit working in oils, collages, mixed but will not compete at this ley- media and stitchery. Her stitch- lously wealthy woman who el. Blue ribbon first-place win- ery was one of three in the ners advance to the County Fi- United States accepted and hung nals in Bakersfield in May in the Wichita National Show where they compete with other last year. winners in various districts of Adeline Williams, president of the county.

cally and must be submitted to tion which will begin at 8:30. the Kern County Parks and Recreation Office in Bakersfield by Keep firearms where children County are eligible to compete. during the past year.

DOWN

1-Toll
2-Limb.
3-Threes-baggers
4-Philippine
Moslems
5-Held in respect
6-Those-holding offi
7-Compass point

### Desert Art League Hosts Ruby Hufford

The Desert Art League will Show Chairman hold its program meeting on Monday, Jan. 26, at the Comhold its program meeting on Hope Cherry, local Murray munity Center. Ruby Hufford

Guild of Laguna Beach and has There are categories for ele- exhibited at the Laguna Festi-

the Art League, will conduct a Admittance to exhibit is by business meeting at 7:45 p.m. application only. Application The public is most cordially inblanks will soon be available lo- vited to attend the program por-

March 1. All residents of Kern and untrained adults can't get All work must be original and at them. A locked rack or cabimust have been accomplished net is best. Store ammunition heart. (Adults, Youth, Children.) in a separate place.

For Use In Authorized Service Newspapers Only.

# CROSSWORD PUZZLE

		time	n th	IIS			AC	E	R		T	A	R		C		
-Obese	10	Time	-	ne by	1		LC	N	E		A	B	E		P	U	Ē
-A state	11-	Rock	e go	ile by			AN	ID		W	R	F	5	T		R	ē
-Chapeau	16-	Colo	, n	114			5			A				À			Ē
-Be mistaken		Writ								_						_	Ĕ
-Proprietor		fluid			16		_ 6	A		N	5		T	R	A	5	Ħ
-The self	20-	Ban					TIA	11	N	T		H	113	T		T	E
-Fugitives		tr.be					A	R	E			1	N		B	F	ä
from Soviet	21-	Shar	n n	ain			A -	_	=	17	1	M	-		E		ż
Russia	22-	Enth	tusia	sns			A	-		٧	-	-	_				Ē
-Smaller	23-	Pois	ons					$\nu$	-	A	R		G	_	A	D	
-Urge on	24.	Cata	rrh				PA		A	L		J	E	E	R		Ä
-Metal	25-	Juno	ture				AA	JT	_	0	D	T	N	<b>E</b>		Т	Ē
-Trans-	27-	Part	s of					N							n		
actions		spee									_						
-Traps		One-					AIN	1 1	E		P	E	5		T	E	Ē
-Playing card	!	nits	(sla	ng)	?		199			777		***			77		Ē
-Country of	31-1	Pligi	nted														î
British Isles	33-	Mas	sive			37-A						**					ä
-Pronoun	34-1	Rack	cetee	er		39-B	sper				!	43			wa		A)
-Cyprinoid		(slar	ig)									-			at		1
fish (pl.)	36-1	Bact	erio	lo-		40-G		na	m	8		47	- N	na	ae		£
extra		gist'				41-G	oal					**			ta	-	ä
-Edible seed		(pl.)				42-0	cear								br		*
-Negative														au			
																	۰
-Rents	1	10-	la -	1000	Proces	I c		1=	-		D	X	XI.		1.	_	7
-Rents	Y	30	37	$\bowtie$	420	50	61	3	1	8	B	×	XI.	7.1	I	9	١
-Sullen -Sediment	Y	37	37		177)	10	6/	3	1	8	B	*	8	1-1	1	9	
-Rents -Sullen -Sediment	Y	77	37		17)	10	6/	3	1	8E	B	*	N S	11	1	9	
-Rents -Sullen -Sediment -Verses -Urges on	14	R	37 R		177)	10	61 N	1	1	R	BOOK	*		14	1	90	
I-Rents -Sullen I-Sediment -Verses -Urges on -Having shoes	18	77 R	37 R		13	14	61 N	1	1	R	Book	×		11	1	90	
-Rents -Sullen -Sediment -Verses -Urges on -Having shoes	15:	RE	37 R	<b>⊗</b>	17) 13	1A E	01	1	1	R	1	***		HEN	1	900	
-Rents -Sullen -Sediment -Verses -Urges on -Having shoes -Artist's stand	18	77 RM	37 R	<b>⊗</b>	17) 13 R	A E	01	1	1	R	20000	*		HE N	1	200	
-Sullen -Sullen -Sediment -Verses -Urges on -Having shoes -Artist's -stand	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PARM M	37 PC 1	<b>⊗</b>	17) 13 R	E	01 N S	₹ 20	1	RRITA	20000	× ×		HE N	1	200000000000000000000000000000000000000	-
-Sullen -Sullen -Sediment -Verses -Urges on -Having shoes -Artist's -stand	12 15	77 R. M	37 R1		11) 13 R	E	61 N S	1 C X 20	1 = 8 2	RRIT	20000	××ו		HENC	1	27 CO	-
-Rents -Sullen -Sullen -Sediment -Verses -Urges on -Having shoes -Artist's stand -Showy ornament -Contend	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	77 R M 800000000000000000000000000000000000	37 R1		1) R	E	6 / N S	₹ 200	1	PRIN I	200000	N N		HENCE	T TO THE PERSON NO.	27 CO	The state of the s
-Rents -Sullen -Sediment -Verses -Urges on -Having shoes -Artist's -stand -Showy -ornament -Contend	1 10 15 10 10 10 10 10 10 10 10 10 10 10 10 10	77 RM MM 27	7 R1 PL	S C E	m R 0 5	E	6/ 28 28	1 C 200	1 = 8 2 1	RAIN		W P N K		MENCE	1	200000000000000000000000000000000000000	The state of the s
-Rents -Sullen -Sullen -Sediment -Verses -Urges on -Having shoes -Artist's -Showy ornament -Contend -Son of	12 151 26	7年 尼州 ※ 20	37 R-192	8 R E	1) R	A E D	6 / N S ※ 2番	1 C	1	RANIN		N K		HENCE	1 10	P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	The state of the s
-Rents -Sullen -Sediment -Verses -Verses -Artist's -Stand -Showy -ornament -Contend -Son of -Aphrodite -Lamprey	12 15 26	10000000000000000000000000000000000000	7 R-19 LF	S R E Y	17) 13 12 0 5	E	6125 288	1 E 200 L	1	E RIM I NE	2000	NKS		HE NCE	1 ( )	8 CO	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO I
-Rents -Sullen -Sediment -Verses -Urges on -Having shoes -Artist's -Showy ornament -Contend -Son of -Aphrodite -Lamprey -Printer's	7	神風の窓	7 R-19 LE	S REY	1) ROS	E D XX	61 23 28 A	1 C 200 L	1	RAINE		NKS		HENCE NCE	1 (1)	8 CO	The state of the s
-Rents -Sullen -Sediment -Verses -Urges on -Having shoes -Artist's -stand -Showy -ornament -Contend	15 26 29	77 RM RD	TRIPLES	S R E T	17) 13 ROS	ED WIND	6 / 2 S 2 B A	1 C 200	1 = 2 1 = 1	E RMINES		NKS	1	HENCESS	1 (0)	97 CO	The state of the s

SATURDAY

"TIME MACHINE" (103 Min.

1 p.m. Shorts: "Chump Champ" (7 Min.) "Capt. Marvel No. 11" (17 Min.) --EVENING--"RUNNING MAN" (103 Min.)

Laurence Harvey, Lee Remick

"ROUSTABOUT" (101 Min.) Elvis Presley, Barbara Stanwyck

"THE VISIT" (100 Min.) Ingrid Bergman, Anthony Quinn

Short: "The Boy Who Swims Like a Fish"

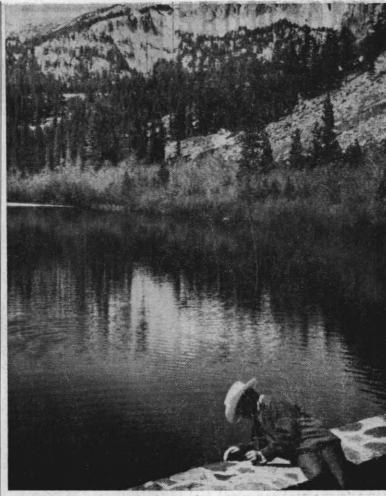
THURSDAY-FRIDAY "SO DEAR TO MY HEART" (82 Min.) Burl Ives, Luana Patton

Shorts: "Nifty Nineties" (7 Min.) "Arizona Sheepdog" (22 Min.)



GORDON BRAHAM, son of Mr. and Mrs. Edward Braham, 71-A Franklin, has been elected president of the Inter-Fraternity Council at the University of California at Santa Barbara. In his new post, Braham will be associated with the University's public relations department and will visit high schools throughout the state. The Burroughs High School graduate, Class of '62, was China Lake Composite Squadron 84's Civil Air Patrol exchange cadet to Peru in 1960. He is majoring in electrical engi-

neering at Santa Barbara.



TWIN LAKES in the Mammoth Lake area received Printof-the-Month award this month at the China Lake Photographic Society. Louis R. Gilpatrick of Ridgecrest shot the scene with a Rolleiflex camera on 120 Plus X Professional film at 1/60 second at f.16 without a filter. Visitors are invited to next camera club salon meeting at 7:30 p.m., Feb. 10, at 361 McIntire St.

### Thieves Carnival **Now Casting For** Spring Production

for those interested in participating in "Thieves Carnival," major spring production by the Desert Division of Bakersfield College, will be held tonight at 8 p.m. The meeting is to be at Burroughs auditorium.

The meeting is open to any members of the community who would like to work in acting or in technical or promotional phases of the production. Those new to the college's drama program are especially welcome, the college said.

Anyone who is 18 or older or who is a high school graduate may participate. One unit of college credit is offered.

The play, which concerns three thieves who use numerous disguises, involves fanciful costumes, a new type of staging with the audience on two sides of the stage, music and special lighting effects.

### Eagles To Meet Monday Evening The Fraternal Order of Ea-

gles will hold its regular monthly meeting next Monday evening, Jan. 25, at the Ridgecrest Moose Lodge, at 7:30 p.m. Organizing Chairman Bob Waters reported that 40 chart-

er members have been recruitcharter when membership ence in bookkeeping. reaches 50, he added.

meeting to be held next week, appointment.

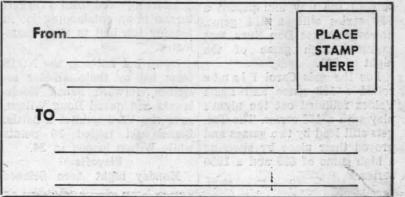


DR. HOWARD SHOMATE won Life Mastership in the American Contract Bridge League's regional tournament at Disneyland Hotel last week. Dr. Shomate (Code 5058) is the first member of the China Lake bridge unit to win the award. He picked up seven critical points while paired with George Blackshaw (Code 3515) and the final Life Mastership point in open pairs with Raymond Banks, formerly of China

#### Offer Part-Time Job

Special Services Office is seek. ed by the local organization, ing the services on a part-time The unit will be granted a basis of a woman with experi-

Applicants are asked to call Refreshments and business Lieutenant (jg) M. E. McGovern discussions are included in the at Ext. 72017 for an interview



# C. J. Renne Leads FJC Fund Drive

Clarence J. Renne, Head of Engineering Division, Propulsion Development Department, was named this week to lead the 1965 Federal Joint Crusade campaign for funds in a drive that opens here Friday, Feb. 5.

The veteran China Lake em-Jan. 26, in conference room "B," Michelson Laboratory. He succeeds Jim Greenfield,

last year's Chairman to the Federal Service Joint Crusade and National Health Agencies fund campaign. Hopes for Quick Response

Solicitations will be confined to on-the-job contact, according to Renne, who issued advance plans this week to "wrap the job up in the first week" as an initial drive objective.

"We realize by past performance, that our NOTS employees' support for the combined agencies represented in this drive has been most generous.

"And, because of this continuing support and active interest, a long, drawn-out program is not anticipated," Renne add-Naval or Military service does

Keymen appointed as departnot automatically exempt service personnel from state and lo- mental representatives in the cal taxes. Although responsible upcoming campaign are

for the payment of taxes the Erma Agnew, Codes 00, 11, 13. service member, because of the 14, 15, 16 and 17; Rod Weldon, Soldier's and Sailor's Civil Re. Code 12; Lt. Edward E. Leutlief Act, is liable, generally schwager, Code 18; Les Fairall, speaking, only for taxes to his Code 20; Ben S. Wensinger, Code "home" or "domiciliary" state, irrespective of where he may 25; Charles H. Moore, SHC, Code 28; Mary Lou Gott, Code 29; Hairrespective of where he may zel Campbell, Code 30: Ramona Kowalski, Code 35; William P. Mayne, Code 40; Frank Barney, Code 45; Charlotte Braitman,

are reminded that the federal government is providing a copy David Newman, Code 55; Robof their W-2 Forms (depicting ert E. Brown, Code 65; Robert 1964 earnings) to the income tax authorities in their home state or the state in which serving Code 84; Roy Webb and Wilduring 1964; if the service liam Quicksall, MMC, Code 85: member advised the Disbursing Officer of his home state the W-2 Form will be sent there. liam West, Code 90. otherwise the form will be forwarded to income tax authorities in the state where serving.

In any event, the certain result to follow is correspondence to practically all service personnel from state income tax officials unless, of course, the member files a timely return responsibility rests.

CLARENCE J. RENNE

Info Available

To Military On

State Tax Laws

As to state income taxes on

1964 earnings, service members

be serving.

ing state income tax laws is tail Store will be closed all day available at the Station Legal Tuesday and Wednesday, Jan.



To conduct semi-annual in with the state wherein his tax ventories, the Outdoor Shop will be closed all day Monday, Jan. Current information concern- 25, and the Navy Exchange Re-



MASTER SERGEANT NOW - Wife, Dee, smiles as her husband, John A. Coryell, is presented promotion warrant to master sergeant by Capt. John I. Hardy, ComNOTS. The career Marine came to the Station in September 1958 with MCGMTU and was assigned to the Redeye Project in March 1960 when MCGMTU was deactivated.



Vol. XX, No. 3 Naval Ordnance Test Station, China Lake, California Fri., Jan. 22, 1965

# ployee has called a campaign strategy meeting for keymen to be held next Tuesday morning, Observe Its 61st Year



Odell, executive secretary, checks financial records with Carrie Reck and Toni Hoppe, chairman and co-chairman of interviewers.

Watching is Lt(jg). Robert Kinsella, treasurer. Sue Byrd, sewing group chairman, and Agnes Reilly, hospitality co-chairman, check case file on needs of applicant.

A. Weinhardt, Code 70; Earle of the Navy Relief Society will Kirkbride, Code 75; Fran Smith, observe the 61st anniversary of the world-wide organization to-

> Since its establishment on Jan. 27, 1948, the China Lake Branch has been rendering aid in the times of need to local Navy and Marine Corps personnel and their dependents, as has its national parent organi-

morrow, Jan. 23.

#### Scope Broadens

The Navy Relief Society was originally incorporated in 1904 in the District of Columbia to aid indigent widows and orphans of Navy and Marine personnel. Its scope has been broad ened since then.

Locally, each week, or for that matter, each day, wives of China Lake military personnel Marine Corps. contribute many volunteer | The Navy Relief Society fund hours to the local Branch.

They serve as interviewers, year from May 4 through June sewers of layettes, knitters of 6 in commemoration of the Nagarments, bookkeepers, typists, vy-Marine sea-air battles of the thrift shop workers, or perhaps | Coral Sea and Midway. as a driver for a distraught mother who must get a sick child to a hospital.

Branch aided 184 local service- na Lake Branch are: men and wives with Society | Carrie Reck and Toni Hoppe, funds amounting to over \$10, chairman and co-chairman of

Over the past 10 years, the ties, made loans totaling \$3,820,cases annually.

vilian friends of the Navy and ing at the Station Hospital for to 4:30 p.m.



Chairman of the WACOM Thrift Shop.

drive is traditionally held each

Local Relief Workers The women who devote their time to heading up the volun-During 1964, the China Lake teer worker groups of the Chi-

000 in loans and outright grants interviewers. Mrs. Reck has over when the situation or case war. 600 hours of volunteer work and Mrs. Hoppe has an impressive total of 880 hours.

Betty Clasen wears two hats. Society on a nationwide basis She is chairman of records and has given an annual average as- is the new chairman of the sistance of \$711,020 in gratui- WACOM Thrift Shop. Fifty per cent of its profits go to Navy ous charitable organizations.

The work of the Navy Relief | Sue Byrd heads up the sew-

"We always need women who can sew," Mrs. Byrd said. "My

phone number is 72067 for those who would like to volunteer." Agnes Reilly and Phyllis Riley serve as co-chairmen of hospitality. The term hospitality is somewhat a misnomer, for their duties are to provide household effects, cribs, bedding, cooking

ons, ironing boards, etc. These items are available to families of officers and enlisted men alike. A service family often arrives at a duty station before the household effects.

LT(ig) Robert Kinsella serves as treasurer for the Branch. Chaplain Odell is Executive Secretary of the China Lake BETTY CLASEN is NRS Branch which is under the juris-Chairman of Records and new diction of the Long Beach Navy Relief Society Auxiliary.

Mrs. Dee Hardy is honorary chairman of the volunteers while Capt. John I. Hardy, as Station Commander, is President of the China Lake Branch. Anyone who is eligible and

who wishes to apply to the Society for assistance may do so by contacting the Station Chap-

#### Blue Cross, Aetna Reps. Here On Jan. 27, 28, 29

Two representatives of insurance firms participating in the Government-Wide Health Benefits Program will be aboard the Station next week.

Jacques Gillard will be at the 564, and handled 52,572 service Relief and the balance to vari-

Aetna representative Howard is supported entirely by private ing group which makes layettes Keenan will be at the Commufunds, chiefly contributions and knits sweaters. The group nity Center on Thursday and from service personnel and ci- meets every Wednesday morn- Friday, Jan. 28-29, from 9 a.m.

THE ROCKETEER

NOTS Squad

the starting lineup. Others who

Guard Ralph Leeper, an even

Guard Ed Bradley, 5'10", who

played basketball at George

Center Bill McCullough, 6'1",

"Win or lose in tomorrow

ball player from Philadelphia.

to weld our team together for

SPORTS.

2. In swimming, what is the

3. When, where and by whom

4. In January 1960, a four-man

U.S. Army team set what kind of

5. Two Swedish wrestlers have

won three Olympic titles each.

CHAPLAIN'S MESSAGE

# The Holiness Of Humor



By CHAPLAIN ROBERT W. ODELL

The Rev. James Ward of London, England used to tell his dignified parishioners: "Go around with a smile on your dial!" and they wondered why this was the Pastor's favorite motto. Do you wonder, too?

Humor is a part of good health and happiness that is often overlooked. The writer of the Book of Proverbs in the Old Testament might have been the reference that the British clergyman had in mind when Chapter 15: verse 13 of Proverbs whistles "A merry heart maketh a cheerful countenance."

A certain man was asked to talk to a company of business men about the depression. He tacked up a big sheet of white paper. Then he made a black spot on the paper with his pencil and asked a man in the front row what he saw. The man replied promptly, "A black spot." With calm and deliberate emphasis the speaker said, "Yes, there is a little black spot, but none of you saw the big sheet of white paper. That's the point of my speech!"

Laughter grants release from needless tension in our lives and ranks with tears for emotional stability. Have you really tried laughter? God gave each of us such a capacity to be of

The stranger with the little black bag knocked at the front door of a large dilapidated house, "Come in, come in," said the father of 14 children, "and I sure hope YOU'RE THE PIANO

The steam kettle offers a wholesome lesson of joy-even THOUGH IT'S UP TO ITS NECK IN HOT WATER, THE STEAM KETTLE CONTINUES TO SING!

This then is the Holiness of Humor. Why smile? God wants us to!! Try it. Share it.



CHAPLAIN E. F. KANE (left), the station's new Catholic priest, was guest of honor at an Executive Dining Room luncheon attended by clergy of the area and other dignitaries. Principal speaker was Dr. Eric Rust, professor of Christian Philosophy at Southern Baptist Theological Seminary, Louisville, Ky., who had delivered a series of lectures here. At right is Chaplain Robert W. Odell, NOTS Senior Chaplain.

### United Church Women Officers To Be Installed

The Indian Wells Valley Council of United Church Women will hold an installation service for new officers on Sunday. Jan. 24 at 2 p.m. in the East Wing of the Chapel. New elected officers are: president, Lorraine McClung; vice-president. Amy Griffin; secretary, Eldene MacLaren; and treasurer, La-Verne Brawn. The officers represent churches from the area who participate in the United Church Women organization.

Fellowing the installation service, a reception for the new officers, past presidents of United Church Women, and wives of the ministers of the participating churches will be held at News Stories. the East Wing. The Women's Photographs... Guild of the All Faith Chapel will be in charge of the recep- photos unless otherwise identified. Printed

munity are invited to attend. 71354, 71655, 72082.

PROMOTIONAL **OPPORTUNITIES** Present Station employees are encouraged

a apply for the positions listed below: Apolications should be accompanied by an upadvertised here does not preclude the use of other means to fill these vacancies.

Illustrator (Technical Equipment), GS-1020-9, Code 7512—Position is located in Graphic Arts Branch, Publishing Div., Technical Inmation Dept. Incumbent will be a Graphic s Specialist, with duties including: display and exhibit design and preparation; design and production of scientific and technical illustrations, layout and design of reports, manuals, brochures, etc; motion picture aniation; responsibilities, planning and sched-

Required Experience: Five years experien illustration, painting, or drawing involved Experience should also demonstrate ability design, layout, and illustrate a wide va iety of art work, etc. (One year at GS-7

Planner and Estimator (PW Mechanical Sysems), JD 236-1, Code 4554-Planning of machine shop and sheet metal work (labor and nent equipment and facilities for use in fa-rication and development of propellants and losives, missile or propulsion device hous . Initiates procurement of machine shop and sheet metal materials, and equipmen Estimates cost of labor and material require

File applications for above with Betty Fowler, Bldg. 34, Rm. 26, Phone 71648.

Budget Analyst, GS-560-9 or 11 (1 vacancy) on analyst for providing staff budget support for two or more of the Station's more com plex support departments. Assists in inter-pretation of Bureau guidelines and recomand analyzes the estimates received from the assigned depts., and submits the evalution and recommendations to his supervisor.

File for above with Janet Thomas, Bldg. 34, Rm. 26, Phone 71577.

Physical Science Technician, GS-5, Code 5524—This position is a Physical Science Technician (Inertial Devices) in the Inertial pose is to assist the engineers and physicist evaluation, and testing of inertial compo ons, miniature precision bearings, and guid

The incumbent performs a variety of tests responsible for cleaning and lubricating niature precision instrument bearings, t

ariety of laboratory equipment. File applications with Dora Childers, Bldg. 34, Rm. 32, Code 657, Phone 71393.

An amendment is issued for Announcement NOTS-IVa-1(65) for Supervisory Planne and Estimator to add the following trade to the list of "Qualifying Trades": Auto-motive Equipment Operator, Tile and Plate

### **Guild Officers Installed** By Chapain Odell

Officers of the Women's Guild of the Protestant Congregation of the All Faith Chapel were installed by Chaplain R. W. Odell last Tuesday evening.

Those who will guide the activities of the Guild for the year

Leona Osborne, president; Type Jinx West, first vice president; Jackie Renne, second vice presi-There would be fewer pedesdent; Elaine Jenne, recording trian patients if there were more secretary; Marian Sherlock, corresponding secretary, and Mary Lou Gott, treasurer.

#### The Rocketeer Official Weekly Publication U. S. Naval Ordnance Test Station

patient pedestrians.

China Lake, California Capt. John I. Hardy, USN

"J." Bibby Public Information Officer Jack G. Broward

> Richard Grueneberg Staff Writer **Budd Gott** Frederick L. Richards

Special Assignments Staff Photographers iams, PH2; Paul Seaton, AC2PH

Bryce Cacek, PH3; and Seth Rossman, PH3 DEADLINES:

The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy weekly with appropriated funds in compli-Interested women of the com-office at 50 King St., Bldg. 00929. Phones-



Christian Science (Chapel Annex)-Morning Service-11 a.m.

Protestant—(All Faith Chapel)-Morning Worship-8:30 and 11 a.m. Sunday School-9:30 a.m., Chapel Annexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) located op-

Roman Catholic (All Faith Chapel)-Holy Mass-7, 9:30 a.m., and 5:30 p.m.

6 a.m. Monday through Friday, 8:30 a.m. Confessions-8 to 8:25 a.m., 6 to 8:30 p.m. Saturday; Thursday before First Friday, 4 to 5:30 p.m.

NOTS Jewish Services (East Wing All Falth Chapel)-8 p.m. every first and thin

Sabbath School, 10 a.m. to noon, every first and third Saturday. Unitarian Fellowship (Chapel Annex, 85 King

Fellowship Meeting-Sundays, 7:30 p.m. Dorms 7 and 8.

'DESERT PHILOSOPHER' \_\_

# **Tarantulas** And Scorpions

By "POP" LOFINCK

They're big spiders. Not so bad - they just look bad. Pretty soon springtime will be here and you may see a string of tarantulas crossing the highway looking for a better feeding

They are beneficial - feed on many insects and flys and small lizards. So they are important - some authorities believe they are more beneficial than birds. So you should not kill tarantulas; they help keep the balance of nature:

#### BITE CAN BE PAINFUL

Altho they appear to be hairy monsters - they are in fact docile and non-aggressive - but can inflict a painful bite when molested. They have a tiny poison sack in their fang. The poison isn't strong enough to seriously affect a healthy

I know a man who lets tarantulas crawl up his bare armand he doesn't get bit. Maybe it depends on the individual's body chemistry or orneryness. I'm not about to make that test. Nor would I suggest that YOU make it.

It is possible for a secondary infection to get into the wound. A susceptive person might develop a case of dermatitis similar to poison oak.

The fossil record of the spider indicates that it was the first animal to adapt itself to life in North America.

#### AND, SPEAKING OF SCORPIONS

"More deaths have occurred in Arizona from scorpion stings than from the bites and stings of all other venemous animals combined" - from Dr. Herbert L. Stahnke - Arizona State College Bookstore.

In all other parts of the United States they are no more harmful than the sting of a bee.

#### In this Mojave Desert area children under four are most apt to die from the effects of the venom of scorpions.

Dr. Stahnke of the Poisonous Animals Research Laboratory at Tempe has found a successful serum for this menace. Also ice treatment is a method of first aid. Scorpions are one of the oldest surviving creatures - evolved from the ancient seas.

#### BEWARE OF THE FOREST TYPE

The big brown scorpions you see crawling around the open desert are not as lethal as the pale skinny ones you find in the forest adjacent to the desert.

After many years of sleeping on the ground I've decided it's better to sleep on a cot.

A cot is a protection against snakes too. Old timers tell about snakes crawling into their blanketrolls at night to get warm.

A sleeping bag is better, of course. But try to imagine a snake slithering over your neck to get into your sleeping

It has been said that snakes won't bite what they can't see. That's not true. Rattlesnakes have sensitive heat detection glands and strike at heat.

### HOUSING ASSIGNMENTS

DECEMBER 1964 Levels Reached

Housing Priority Group

Hiral Date or

Date of Rank

- Panamint	(4) None	1
	(3) CB	
- JOQ (2)	CC	
MOQ (3)	None	
Hill Duple	ex (3) None	
Hill Duple	ex (2) CB	9-10-64
Wasp Circ	cle Duplex (3) CB	6-20-58
Joshua (4	) CF	12-18-64
Yucca (4)	None	
Juniper (3	3) None	
Tamarisk	(4) None	
Old Duple	ex (3) None	
Old Duple	ex (2) (LBP) CF	1-16-63
Old Duple	ex (2) CH	8-13-46
	ex (1) None	
Normac I	Ouplex (3) CC	11- 2 -64
Normac D	Ouplex (2) CC	4-12-59
Wherry (4	None	
Wherry (	3) CF	1-16-63
Wherry (	2) CF	1- 4 -65
	3) None	
Normac (	2) CI	11- 4 -64
Normac (	1) CJ	10-23-62
	au (2) CJ	
Hawthorn	e (3) None	
	e (2) CJ	
	e (1) SG	
Apartmen	it (3) None	
Apartmen	it (2) None	
Apartmen	t (1) CD	11-16-64
Apartmen	it (0) CI	12-31-50
Motel (1)	CB	11-24-52
Motel (0)	CG	6-21-64

### Women Golfers Plan 'Organized Play Day' Tourn.

Friday, January 22, 1965

An "Organized Play Day" the second Wednesday of each month - will be inaugurated soon by the China Lake Women's Golf Club. Women must be signed up for these tournaments by the preceding Sunday for drawing of names, Ann Ball re-

Regular tournament play will continue on other Wednesdays, with tee-off time at about 9:30

At its luncheon on Jan. 7, the Women's Golf Club presented awards to Dovie Hampton, Carolyn Kruse and Mary McDonald as weekly tourney winners, and Hazel Cooper won the putting

The Tee-to-Green competition on Jan. 6 was won by Nona Turner. Winners in the Nassau Tournament on Jan. 13 were Reggie Hibbs, low gross, and Dot Gould, Jay Mueller and Thelma Cox, low net.

Last Saturday's Scotch Foursome tournament sponsored by the China Lake Women's Golf Club was won by Mary McDonald and Capt. B. L. McCreery, low gross. Tied for second place were the teams of Pauline and Bill Van Dyke and Nona and Harold Turner.

Low net first place went to Jay Mueller and Warren Murbach, with Doris Cosner and Al McDonald taking second.

### BOWLING NEWS

By Dick Zinke 865 Scratch

Ray Schreiber pounded out a ries posting a 576 to pace Mer- The regular season ended on cury Movers to two wins and a Jan. 14. a big 981.

Women's Scratch

Patty Maxwell had an outstanding night with games of and a series of 1916.

honors for the night were ing the NAF men. shared by the Pincrackers rolling an 889 while the Chillers took the series with a 2534.

Women's Handicap

by rolling a 932 game and a se- Kelley. ries of 2698. Jeanne Craddock again came out on top with a series of 486, but high game a nice 207.

Mixed Foursome

Last Friday night the competition for individual honors was break through with a five point strictly between the Zurn broth- victory, 70 to 65. captured high game of the mates. night of 231.

For the gals Carol Plante team led by their All-Star serolled a 183 game and Paula lectees, forward Frank Bonis-Valdez rounded out the night's lawski and guard Doug Wilson, play with a 485 series. The Tar- gave the VX-5 quintet a battle. Propulsion Dev. gets still lead by two games and Bonislawski tallied 16 points NAF proved their place by shooting while Wilson looped in 34. a high game of 659 and a 1950 series.



(No. 11) tips ball from hands of Aero Science's Roger Short. Ball went to Ted Lane (No. 4) who scored another two points to defeat NAF, 72 to 67, making it a 3-way tie for 1st place.

## Intramural Cagers In Three-Way Tie, Playoff Under Way

By BUDD GOTT

A fired up Aero Science team, sparked by its high scoring torrid 245 game while team- guard Gary Jacobs, downed NAF, 72-67, to make it a three way mate Robby Fuller took the se- tie for first place in the Station's Intramural Basketball League

> and 4 losses each are Aero Science, Propulsion Development, and NAF.

208, 201 and cooled off a littl Aero Science's victory said following the game, "We p.m. with a 148 for a nice 557 se- bounced them back from third just couldn't do anything right. ries. The Tigerettes took team place where they had been Everything they did just scoring honors with a 664 game dumped by VX-5 in a close con- clicked. They were ahead of test 75 to 73.

Jacobs, Aero Science's fleet Bill Johnson locked out all guard, garnered 36 points for

NAF's Ed Bradley, who was named to the All-Star Squad last week, was high scorer for his team with 22 points. Top de-Miller's Missiles topped the fense men were All Star selecscoring with a fine team effort tees Ralph Leeper and Howard

> VX-5 Downs NOTS, 70-65 going against the scrappy NOTS tack. cellar team but managed to

ers. Gordy Zurn was tops for Dick Aldaz, VX-5's selectee to the men with a 593 series, but the All-Stars, was top scorer for brother Tom was in hot pur- his team with 25 points. Jerry hit the basket on free throws suit all the way and posted a Schwarting and Bill Taggart 591 series with a 214 game, turned in an outstanding job in however it was Don Zurn that feeding the ball to their team-Down but not out, the NOTS

Playoffs

Monday night Aero Science NOTS

shellacked Propulsion Developthree-way tie for first place.

Aero Science's Ted Lane col. pool. lected 29 points in the fray. As losing coach Danny Meraz and Thursday from 7:30 to 9:30 dive with the lowest tariff (de-

us at the half and we never first class on Jan. 26 or contact caught up."

Bill Ball was top point man ty chairman, at Ext. 725412. opposition by bagging a fine 601 top scoring honors. Larry Jef. for Propulsion with 13 while his series and also had the high fris, Roger Short and Bob teammates Bob Berry, Newt game for the night of 214. Team Short did a good job in defens. Green, and John Ulrich collected 10 each.

#### Second Game Playoff

Wednesday night Propulsion Development, smarting from their 83-51 defeat by Aero Science on Tuesday, came back to trample NAF, 82-60, in the second game of the playoff.

Top three scorers were Bill Ball, 20; John Ulrich, 17, and In the second game of the Doug Kinney, 15. Newt Green went to Evelyn Swader posting double header on the 14th, the was keyman in feeding the ball VX-5 cagers found it tough to his teammates in their at-

> NAF's usually high scorers Howard Kelley, D. R. Johnson, and Ed Bradley were held to 14, 13, 12 points each. The inability of the NAF players to contributed to their defeat.

### Cage Standings (As of Jan. 14)

Aero Science VX-5 0 12 | first film in Hollywood.

# NOTS All-Stars To Play Edwards AFB Team Here Tomorrow

Edwards Air Force Base will bring a strong cage quintet here tomorrow night to meet the NOTS Military All-Stars in an interservice fray at the Station Gym at 8 p.m.

Saturday night's game and a return go with the Air Force Ron Albiston, 6'4", and Ron men at Edwards on the 28th Casey, 6'3". will test the mettle of the local Guard Lt. Larry Danas, 6'5", All-Stars before they enter a deft ball handler and one of Eleventh Naval District competheir best defensive men. tition at Long Beach on Feb. 1. The team, coached by Capt.

All-Star coach LT(jg) Bob Bill Burk, comes here from Kinsella has named as tentative fresh victories over March Air starters for tomorrow night's Force Base, Fort Irwin, and Norton Air Force Base.

Guards Howard Kelley, 5'10" mainstay of the NAF team, and Coach Kinsella has plenty of six-footer Dick Aldaz, a ball reserve strength in addition to hawk for VX-5.

Forwards Darrell Johnson, a are sure to see action tomorhigh scorer for NAF, and Jer- row night are: ry Schwarting, a good rebound Diminutive (5'8") guard Doug

man for NAF. Both are 6'3". Wilson, a veteran of service Starting center, either Bill ball. Taggart, 6'2", of VX-5, or Ken Forward Gene Wanglie, 6'1", Stewart, 6'5", of NAF. Both are a former Glendale High School good tipoff men, but Stewart player and assistant coach of may draw the start due to his the All-Stars. height

Coach Kinsella was quick to 6 feet, a veteran basketball and point out it was only a tenta- track man from New Orleans. tive lineup. "All our squad will Forward Frank Bonislawski, see action. We want to see what 6'1", an elusive man and a good combinations we can work out, shot from the outside. who the best men are for alternate positions, etc." he said.

Edwards has four strong men | Washington Carver High School the All-Stars will have to defend in Amarillo, Tex., and quarteragainst, according to "Chuck" backed the NAF football team Mangold, former Station Recre- here in 1963. ation Director, who brings the Edwards squad here tomorrow a veteran basketball and base-

Lt. Jack Royster, the 6'7" cen- night's game," Kinsella comter, who is a hard man to jump mented, "it will give us a chance

Two speedy, shifty forwards, the 11ND Tournament."

## Litesaving

player?

gree of difficulty)?

2682 series. Eliopulos Motors | Tied for first place with a 12- ment, 83 to 51, in the first of a | A course in Red Cross Senior captured high game by rolling game season record of 8 wins three-game series to break the Lifesaving will begin on Tuesday night, Jan. 26 at the Station vice" record of any lawn tennis

It will meet every Tuesday

Sara Valdiva will teach the course.

was snooker originated? Those interested in taking the course are urged to attend the record at St. Moritz? Jan Hays, Red Cross water safe-

Mary Ann Mobley, Miss Amer-

and talent can be combined.

Who are they? Answers to Quiz b n s - ano weight groups - and -24-32) and Ivar Johansson (1932ers" are Carl Westergran (1920-5. The two "grunt and groan-76.4 seconds. covered the one mile course in

4. The Army bobsled team bulpore, India, in 1875. variation of "black pool" in Jubberlain originated snooker as a 3. Colonel Sir Neville Chamtuck" from the tive meter board. fariff is the "inward dive with 2. The dive with the lowest

U.S. Davis Cup player, drove a 1, In 1935, Lester Stoefen, a Navy-NASA Cooperate

ball at a measured speed of 131

### In Man-to-Moon Work The Navy is cooperating with

the National Aeronautics and Space Administration (NASA) in support of efforts to land a man on the moon, having turned BEAUTY AND TALENT- over 40 acres of land at Seal Beach, Calif., for the construcica of 1959, proves that beauty tion of facilities for the manufacture and testing of the sec-She's currently making her ond, or S-II stage of the Saturn V launch vehicle.



RALPH J. ROBEY, PH2

# **Local Photog's Picture Makes Magazine Cover**

Ralph J. Robey, PH2, photog-| The drone helicopter is shown rapher in the Pasadena Public launching an MK 46-0 torpedo Information Office, scans his complimentary copy of Missiles Ralph was assigned to the proand Rockets Magazine, Dec. 21, ject and came up with the most 1964 issue. Peeking inside the widely used photograph magazine was merely a nice ges- throughout the MK 46-0 press ture on Ralph's part, for he's release, appearing in several convinced, "You can tell a book magazines and newspapers. by its cover," and particularly Ralph has been with NOTS this cover since the picture of Pasadena since Jan. 1964, acthe drone helicopter is a prod- complishing both publicity and uct of Ralph's fine photogra- technical photography assign-



DAVID W. ANDERSON (center) receives congratulations from J. H. Jennison and Capt. G. H. Lowe on completion of

### Thirty Years Federal Service Completed By Dave Anderson

federal service, David W. An- Branch in the Product Engineer- 23.

PROMOTIONAL **OPPORTUNITIES** 

ing Division, UOD, was present- Thus league play has evolved length of service.

ment service in 1933 with the spread out. To apply for vacancies, contact Nancy Reardon, Pasadena Personnel Division, Extension 492. A current SF-58 must be submit- four years, he transferred to lag a full seven games behind

# NOTS Pasadena

### Navy League To Honor Pasadena Naval Officers

The Pasadena Council of the Navy League of the United States will honor the three top Pasadena naval officers and their wives at a reception and dinner party to be held in the Mirror Room of the Huntington Sheraton Hotel tomorrow.

Honored guests will include CAPT. and Mrs. G. H. Lowe, CAPT. and Mrs. R. J. Trauger, and CDR. John P. Johnson.

In addition to the cocktail and dinner party, a program has been arranged by Giles Hall, President of the Pasadena Council, which will feature the Color Guard of the Sea Cadets, and a presentation of the "Dev-



### Cameron Heads '65 FSJC-NHA Drive

Ruel Cameron, Head of the Budget Branch, UOD, has been selected as chairman of the annual Federal Service Joint Crusade-National Health Agencies campaign scheduled to run from February 1-15 at NOTS Pasade-

being made for a dinner-dance with proceeds going to the FS-JC-NHA campaign.

### **Battling Bowlers**

By Ray Hanson

The see-saw battle between the Alley Kats and the Quiet Five hinged on a half-game margin again as the Five took four from the Kats in the NOTS Wednesday night bowling

Going into the 17th week of play, the Kats had a won-lost record of 45.5-22.5, while the On completion of 30 years derson, Head, Development not-so-silent ones stood at 45-

> ed with a lapel pin denoting his into a race between these two teams for top honors, with the Anderson entered govern- rest of the field beginning to

fied types of high and low pressure boilers | Originally from Pennsylvan- Five, 3012; team game El Tor- A representative from the on Wednesday, Jan. 27, from and appurtenances, Work consists of making ia, Anderson and his wife El- os, 1022; men's series, Len Se- Aetna Casualty and Surety 1:30 to 4:30 p.m. Employees inspections, adjusting valves and levers, observing meters and gauges and making minor operating repairs. Starts, stops and controls speed of equipment and assures proper water levels are maintained in boilers.

It Anderson and fils wife Elements Series, Lett Serie



### CWO-4 A. H. ASSEIER Mather Relieves Asseier in Supply Post

Reporting to NOTS Pasadena | pletes a two-year tour of duty is Ensign David A. Mather who with NOTS, will report aboard will relieve CWO-4 A. H. Asseier | the USS Frontier (AD-25), a Deas Assistant to the Associate stroyer Tender, homeported in Director of Supply.

Degree in Industrial Engineer- Officer. ing from Iowa State University Just previous to NOTS and in Ames, Iowa, Ensign Mather one of the most interesting Supply Corps School in Athens, Antarctica.

siding in San Gabriel. CWO-4 Asseier, who com-

Long Beach. He will assume du-With a Bachelor of Science ties as Assistant to the Supply

received his commission in July tours in his Navy career, he was 1964 through the NROTC Pro- with Operation Deep Freeze's gram. Previous to NOTS he wintering - over party for 11 completed training at the Navy months at McMurdo Sound in

Originally from New York, A native of Sheboygan, Wis., Asseier entered the service in he and his wife, Judy, are re- 1939 and served during WWII and the Korean Conflict.



THE SMILES of Dom Veronda, Margaret (Maggie) Trotter and D. J. Wilcox (I-r) denote a happy occasion which indeed it was when Dom and Maggie were presented with Quality Step Increases. Wilcox, Head, Underwater Ordnance Department, offers congratulations to the awardees. Dom, Head of Materials and Mechanical Engineering Branch, P8093, has been with NOTS 14 years. He has previously received a Quality Step Increase and two Superior Accomplishment Awards. Maggie was rewarded for her outstanding performance of duties in the library, where she has been em-

# the when applying. Heating Plant Operator (Large); hourly salary range: \$3.06 to \$3.32; Code P7151. DUTY STATION: San Clemente Island. Operates, repairs, and maintains various types of steam and air generating plants including diversity in 1940. Upon his discharge in 1950, he joined NOTS. Originally from Proposition Originally from Proposition The U.S. Engineer Office where the Five, maintaining a won-lost record of 38-30. High scores for the week were as follows: team series, Quiet Originally from Proposition The U.S. Engineer Office where the Five maintaining a won-lost record of 38-30. High scores for the week were as follows: team series, Quiet Originally from Proposition Originally from Proposition



AOD 30-YEAR MAN - Dr. Newt Ward, Head of the Aviation Ordnance Department, presents Oliver A. Wilkerson (right) 30-year Federal Service pin. His combined service includes three tours of active military duty. He is a veteran of WW II and the Korean Conflict. First here in 1949, he came back to NOTS in 1955 after retiring from the Navy as a Chief Yeoman.

# Slate 'Open Season' For Health Programs

Health Benefits Program is scheduled between February 1 der, FR 5-4291. through 15, Austin Ross, Head of the Employee-Management Re- Inadvertently, the Museum lations Division, announced this ed and filed in the Personnel

Office no later than Feb. 15,

During this period eligible employees who are not enrolled in a Federal Health Plan may

Employees who are already members may make the following changes in their enroll-

• From one plan to another. • From one option to another in the same plan or a different plan.

• From self only to self and family, or the reverse.

Last October, all enrolled employees were given an up-todate copy of Standard Form 2809A (The Federal Employees Health Benefits Program), dated November 1964, and a copy of Pamphlet BRI 41-117 (Information About Changes Effective November 1964).

As was explained then, Pamphlet BRI 41-117, along with the member's November 1963 brochure describing the member's plan, gives the member a complete and up-to-date statement of the benefits and cost of the

Form 2809A gives the employee a current summary of general information about the Health Benefits Progam.

No New Brochures New brochures will not be distributed for this "open season." However, each employee will be given a leaflet informing him of the "open season" and telling how to change Health Benefits Registration if

he wishes.

All plans which participate in the program will be listed in the leaflet and any employee who is considering a change and is interested in seeing the brochures of a plan other than the one in which he is enrolled should contact his department

Any employee who does not want to change his registration need take no action. His present registration will remain in

Any employee who is not now enrolled and wishes to enroll, or who is enrolled and wishes U. S. Naval Hospital, Yokoto change his enrollment, must go to the Personnel Service Di- St. Joseph's School of Nursing, vision for his Department and Lancaster, Pa., she entered the complete a new Standard Form

The form must be complet- included Guam.

### Museum to Hold **Annual Meeting Tuesday Evening**

members of the Maturango Museum will be held next Tuesday evening, Jan. 26, at the Hideaway Restaurant in Ridgecrest. starting at 7 p.m.

Special tribute to Life members of the Museum will be paid by Alice Hirsch, president of the board of trustees, and summations of the museum's accomplishments will be delivered by Director K. H. Robinson and Cu rator Sylvia Winslow.

Included in the business portion of the meeting will be the election of three trustees to fill vacancies. Candidates proposed by the nominating committee are Albert S. Gould (incumbent), Mrs. John I. Hardy (incumbent), Aaron Jones, Paul McKenry and Dr. Pierre St. Amand. Nominations from the floor also are eligible.

The dinner menu will be table d'hote turkey at \$2.95 per plate, including tax and tip. Reservations may be made by calling Mrs. Duane Mack, Ext.

Newsletter said the annual meeting would be held on Thursday. It should have read

## To Fleet Reserve



C. Coakley, CS1, was transferred to Fleet Reserve Jan. 15, in brief ceremonies. Attached locally to the Commissary Store, Coakley had reported to China Lake in early 1963.



(left) gave oaths to (from left) Charles K. Dugger, AT1; David G. Murphy, AO2, and Melvin

TRIPLE RE-ENLISTMENT occurred at VX-5 D. Edwards, AO2. Local squadron currently when Cdr. Jack M. Manherz, CO. leads all China Lake units in re-enlistment rate for 1965. -Photo by Gerald G. Burgess, PH2, VX-5 | York City on Monday, Jan. 25.

### Benny Suggs Save \$35 Million in First FY Quarter

Washington - About \$35 million was saved in the first quarter of FY65 through adopted suggestions of service personnel and civilian employees, AFPS re-

The Air Force reported an estimated net savings of approximately \$26 million, the Army reported nearly \$5 million saved and the Navy figure was more than \$3 million.

#### Two Code 45 Men To **Deliver AIAA Paper**

Two Propulsion Development Dept. aerospace engineers, Richard D. Fulmer and David P. Wirtz (Code 4511), have been selected to deliver a paper at the American Institute of Aeronautics and Astronauts' Second Aerospace Sciences Meeting in New

# Newcomers to Hospital and VX-5



LT. MARY C. LUKACS joins the Station Hospital's nursing staff. She reports from the suka, Japan. A graduate of Nurse Corps in June, 1959. Her overseas duty has also



ficer at VX-5 this week is ENS. James M. LaFortune, who reported here from Officer Candidate School, Newport, R. I. Born at Marquette, Mich., he was graduated from Northern Michigan University with a BA Degree.



(DC), formerly attached to Dental Clinic at Camp Pendleton, Calif., reported to NOTS recently to serve as Assistant Dental Officer at Station Hospital. New dentist and wife, Mary Ellen, will reside at 402A Forrestal.



ENSIGN MARVIN H. CLARK, newly assigned to Administrative Department at VX-5, reported from Officer Candidate School, following 16-week course. A graduate of Bowling Green State University, where he earned a BS in Personnel, the new officer is a native of Ashtabula, Ohio.

# Engineering 153A, Propulsion Des-Thurs, 4:30-6 p.m., M. L. Conf. Rm. C, (30 meet-Prerent with the Telegraph of the State of t Spring 1965

UNIVERSITY OF CALIFORNIA AT LOS ANGELES

UNIVERSITY OF SOUTHERN CALIFORNIA

BAKERSFIELD COLLEGE, EVENING DIVISION

### **PREFACE**

This Course Schedule provides detailed information about the evening classes open to NOTS employees at China Lake for the will be published at a later date. Spring 1965 semester. Additional copies of this Course Schedule may be obtained from Department Offices or your Department's Personnel Management Advisor.

The Schedule for the Day Classes for the Spring 1965 semester

RAYMOND A. HARRISON, Head, Personnel Department

# U.C.L.A. SCHEDULE OF CLASSES

Mon-Fri, 25 January through 5 February in the Ed-Registration fees are payable by check or money order at the time of registration. The amount of the increased this semester.

GRADUATE STUDENTS IN ENGINEERING. The Department of Engineering, UCLA, requires all graduate students to complete 6 units of course work every semester until they have fulfilled the unit requirements for the M.S. Any student who completes less than 6 units is obliged to withdraw from the University, and must reapply for readmission if he wishes to continue at a later date.

COUNSELING. Limited counseling is available regularly in the Education Office, Room 1004, Michelson Laboratory, during office hours, 0800-1200. In addition, Prof. Wm. D. Van Vorst, UCLA adviser to NOTS engineering graduate students, is in the office one day per month. Appointments should be made through the UCLA representative, Room 1004.

USE OF OFFICIAL TIME AND/OR TUITION RE-FUND ELIGIBILITY. If an employee's supervisor certifies that the training is relevant to his present or projected work assignment, the employee may do one of the following: (1) If carrying 6 or more units, request permission via his departmental channels to use official time to study not to exceed 6 hours per week for 15 weeks; (2) If carrying 6 or more units and authorized to use 3 or less hours of official time to study for one 3-unit course, submit one copy of NOTS Course Enrollment and/or Tuition Refund Certification 11ND NOTS 12410/28 prior to the first class meeting to establish tuition refund eligibility for a second 3-unit course; or (3) Submit one copy of same form to establish tuition refund eligibility for each course prior to the first class meeting.

REFUNDS. Refunds will be made under the following conditions if tuition refund eligibility has been established: (1) Successful completion (a grade of "C" or higher) of a course; (2) Withdrawals prior to the second meeting of class and presenting admission form to the Education Office; or (3) Withdrawals after second meeting and before fourth meeting - tuition refund minus \$5 will be made by the University. WITHDRAWALS AND AUDITING. The last day for graduate students to drop courses without penalty of failure is 19 April 1965. Petition forms are available in the Education Office. The last day for extension students to audit a course (no credit) is the first meeting after the mid-term. The instructor will request each student to indicate his desired status on the mid-term grade report. Graduate students who have dropped a course and extension students who are auditing a course may continue to attend class without the obligation of submitting homework or tak-

TEXTBOOKS. Each student is reponsible for purchasing his textbooks. Order blanks are available in the Education Office.

ACCESS TO MICHELSON LABORATORY. Students who do not have access to the Lab should register on or before 28 January so that they may be cleared for admittance to classrooms before the semester begins. Students unable to complete registration by 28

REGISTRATION. Registration will be held 0800-1200, January should notify the Education Office giving full name, mailing address, citizenship, and the name ucation Office, Room 1004, Michelson Laboratory. of the courses to be taken. NO UNCLEARED STU-DENT CAN BE GUARANTEED ADMITTANCE TO THE LAB CLASSROOMS UNLESS HIS REGISTRAfee is listed after each course. Please note that it has TION OR NOTICE OF INTENT TO REGISTER IS RE-CEIVED IN THE EDUCATION OFFICE BY 28 JAN-

> PREREQUISITES. The titles of courses listed as prerequisites for the various courses in the Extension and Graduate Program are as follows:

Engineering 103A, Elementary Fluid Mechanics Engineering 105B, Engineering Thermodynamics Engineering 117A, Applied Electromagnetic Theory Engineering 119A, Circuit Analysing Using Transform Methods

Mathematics 4B, Analytic Geometry and Calculus, **Fourth Course** 

Mathematics 11A, Introduction to the Calculus Mathematics 11B, Calculus and Analytic Geometry Mathematics 12A, Linear Algebra Mathematics 12B, Calculus and Analytic Geometry

Mathematics 108, Linear Algebra Mathematics 110C, Advanced Engineering Mathe-

matics Mathematics 119A, Differential Equations

Mathematics 120A, Probability and Statistics Physics 1A, General Physics: Mechanics of Solids Physics 1B, General Physics: Mechanics of Fluid, Heat, and Sound

Physics 1C, General Physics: Electricity and Mag-

Physics 1D, General Physics: Light and Modern Physics

Physics 2A, General Physics: Mechanics, Heat, and Sound Physics 2B, General Physics: Electricity, Magnetism

and Light

**EXTENSION PROGRAM SCHEDULE.** Courses listed on the following pages are open to all students who

satisfy the prerequisites. \*Starred courses may, by subsequent petition, be offered toward the satisfaction of the unit requirement for the master's degree up to a maximum of 6 units. Engineering XL 105A, Engineering Thermodynamics (3) \$50

Instructor: C. L. Spindler, M.S., Aerospace Research Engineer, Propulsion Development Depart-

Tues-Thurs, 6:30-8 p.m., M. L. Rm. 20108 (30 meetings, 2 Feb-13 May;

Prerequisite: Consent of instructor Text: Lee and Sears, Thermodynamics, (Addison-Wes-

Introduction to energy, heat, work, entropy, temperature, and states of matter. Zeroeth, first, and second laws of thermodynamics. Processes involving closed systems. Graphical representation of thermodynamic processes. Ideal gases. Equations of state. Carnot theorem. Properties of pure substances. State diagrams.

\*Engineering XL 119B, Passive Network Systems (3)

Instructor: M. C. Creusere, M.A., Head, Armament Control Systems Branch, Aviation Ordnance Department

Mon-Wed, 4:30-6 p.m., Training Bldg., Rm. 211 (30 meetings, 1 Feb-17 May) Prerequisites: Engr. 119A or 181A

Text: Crawford, Introduction to Modern Network Synthesis, (Harcourt, Brace, & World)

A comprehensive survey of modern techniques of driving point transfer function synthesis. Introduction to active network synthesis and to approximation methods.

\*Engineering XL 153A, Propulsion (3) \$50

Instructor: R. J. Zabelka, Ph.D., Aero Research Engineer, Propulsion Development Depart-

Mon-Wed, 4:30-6 p.m., Training Bldg., Rm. 205 (30 meetings, 1 Feb-17 May) Prerequisites: Engr. 103A, 105B

Text: Zucrow, Aircraft and Missile Propulsion, (Wiley), 1960

Thermodynamic properties of gases. Flows in channels, nozzles and rocket motors. Power plant cycle analysis. The turbojet engine and its variants. Ramjets and pulse jets. Combustion. Aerodynamic design elements of compressors and turbines. Elements of aircraft and rocket perform-

\*Engineering XL 198, Applied Electromagnetic Theory (3) \$50

Instructor: R. G. S. Sewell, M.A., Consultant, Airto-Surface Weapons Division, Weapons Development Department

Tues-Thurs, 4:30-6 p.m., Training Bldg., Rm. 203 (30 meetings, 2 Feb-13 May) Prerequisite: Engr. 117A

Text: Harrington, Time Harmonic Electromagnetic Fields, (McGraw-Hill)

Behavior of electromagnetic radiation, particularly in the microwave range. Guided waves, cavity resonators, antennas and radiation.

\*Engineering XL 198, Impulsive Loads — Elements and Applications, Part II (3) \$50

Instructor: John Pearson, M.S., Head, Deonation Physics Group, Research Department Mon-Wed, 4:30-6 p.m., M. L. Rm. 20108 (30 meet-

ings, 1 Feb-17 May) Prerequisite: Engr. 198, Part I or Consent of Instructor

Text: Rinehart and Pearson, Explosive Working of Metals, (Macmillan)

Part II of a course dealing with the nature of impulsive loads (such as are produced by detonating explosives and impacting projectiles); the interaction of such loads with surrounding media; the behavior of materials and the dynamics of systems under impulsive loads; techniques of study; and industrial and military applications.

Mathematics XL 110B, Advanced Engineering Mathematics (2) \$40

Instructor: W. B. Stelwagon, M.A., Mathematician, Research Dept

Mon-Wed., 4:30-6pm, Training Bldg., Rm. 203, (20 meetings, 1 Feb-12 Apr) Prerequisite: Math 4B

Text: Sokolnikoff & Redheffer, Mathematics of Physics and Modern Engineering, (Mc-Graw-Hill) Ordinary differential equations and orthogonal

functions, partial differential equations, line integrals, Green's theorems, vector analysis, solution of equations.

\*Mathematics XL 120B, Probability and Statistics (3)

Instructor: E. A. Fay, Ph.D., Mathematician, Research Department

Tues-Thurs, 4:30-6 p.m., M. L. Conf. Rm. C, (30 meetings, 2 Feb-13 May) Prerequisite: Math. 120A or Consent of Instructor

Friday, January 22, 1965

Text: Hogg & Craig, Introduction to Mathematical Statistics, (Macmillan) Basic distributions of statistics, sampling theory, extimation, hypothesis testing.

\*Mathematics XL 122B, Advanced Calculus (3) \$50 Instructor: W. L. Johnson, Ph.D., Mathematical Statistician, Test Dept.

Tues-Thurs, 4:30-6 p.m., M. L. Rm. 1000, (30 meetings, 2 Feb-13 May)

Prerequisites: Math. 108, or 110C, or 119A Text: Taylor, Advanced Calculus, (Ginn & Co.) Fundamentals of calculus from a more advanced point of view. The real number system; continu ous functions. General theory and application of partial differentiation. Implicit function theorems. Vector fields. Line and surface integrals. Point set theory. Theory of integration. Infinte series. Uniform convergence. Improper integrals.

\*Physics XL 105, Analytical Mechanics (3) \$50 Instructor: A. G. Hoyem, Ph.D., Head, Aircraft Proj-

ects Division, Aviation Ordnance Depart-

Mon-Wed, 4:30-6 p.m., M. L. Rm. 1000, (30 meet-

ings, 1 Feb-17 May) uisites: Physics 1A, 1B, 1C, 1D, or 2A, 1C, 1D, or 2A-2B; Math 11A, 11B, 12A, and 12B Text: Becker, Introduction to Theoretical Mechanics, (McGraw-Hill) The kinematics and dynamics (statics and kinetics) of particles, systems of particles, and rigid bodies.

Psychology XL 105, Elementary Statistics in Psychology (3) \$45

Instructor: F. Friedlander, Ph.D., Research Psychologist, Central Staff

Tues-Thurs, 7:30-9 p.m., Training Bldg., Rm. 203, (30 meetings, 2 Feb-13 May) Texts: Wallis & Roberts, Statistics, A New Approach, (Free Press) McCollough & Van Atta, Sta-

tistical Concepts, (McGraw-Hill) Measures of central tendency, variability and correlations. Applications of statistical inference to research in psychology. Reliability and validity of psychological tests and measurements.

GRADUATE PROGRAM SCHEDULE. The 100 series courses listed below are open to all students who have graduate status at UCLA. Courses in the 200 series are generally open only to graduate students who have rectified all grade-point deficiencies. Engineering 119B, Passive Network Systems

Same as Engineering XL 119B. See above.

Engineering 153A, Propulsion

Same as Engineering XL 153A. See above. Engineering 198, Applied Electromagnetic Theory Same as Engineering XL 198. See above. Engineering 198, Impulsive Loads - Elements and

Applications, Part II Same as Engineering XL 198. See above. Engineering 245A, Properties of Engineering Mate-

rials (3) \$50 Instructor: G. J. Plain, Ph.D., Associate Head, Research Department

Tues-Thurs, 4:30-6 p.m., M. L. Rm. 20108, (30 meetings, 2 Feb-13 May)

Texts: Raimes, Wave Mechanics of Electrons in Metal, (Interscience), 1961 Cottrell, Dislocations and Plastic Flow in

Crystals, (Clarendon) Application of solid-state physics to determina-

tion of structure and properties (mechanical) of engineering materials. Elements of X-ray structure analysis. Cohesive strength of ionic crystals and simple metals. Lattice imperfections, nonelastic behavior of solids.

Mathematics 120B, Probability and Statistics Same as Mathematics XL 120B. See above. Mathematics 122B, Advanced Calculus

Same as Mathematics XL 122B. See above.

# UNIVERSITY OF SOUTHERN CALIFORNIA

REGISTRATION. Registration and payment of tuition for the Spring semester will take place at 1:30 p.m., Wednesday, 3 February 1965, in Michelson Laboratory, Conference Room C. Tuition may be paid in full or arrangements for deferred payments (\$5.00 service charge) can be made at that time. Persons who are not able to register at this meeting should contact the Registrar in the Personnel Building, Room

TUITITION REFUND. To be eligible for a full tuition refund (excluding the \$5.00 deferred payment charge), an employee must submit one copy of NOTS Course Enrollment Form and/or Tuition Refund Certification 11ND-NOTS-12410/28 signed by his supervisor (indicating that the training is relevant to present or projected work assignments) when he registers and receives a grade of "C" or higher upon completion of the course. Partial tuition refunds will be made by the University to eligible employees who wish to withdraw prior to the third meeting of the class. See Schedule below.

TEXTBOOKS.

Argyris: Integrating the Individual into the Organization \$6.19

Pfiffner and Sherwood: Administrative Organizations

Etzioni: Modern Organizations (Paperback) Drucker: Concepts of Corporations (Paperback) Moore: Man, Time, and Society (Paperback) Books may be purchased during registration.

COURSE DESCRIPTION.

P. A. 595, Organization and Management Theory (4)

Instructor: Frank P. Sherwood, Ph.D., Professor of Public Administration, USC. Theories of organization and management; the

executive role; decision making; bureaucracy; role theory; authority and power; communication and control in organizational systems; tactics and strategies in effective management; study complex organizations as social systems; look at behavior within these systems; undertake small research projects on time, authority, and relationships; study China Lake as a complex organiza-

SCHEDULE.

1st Meeting, 6 February: Saturday 6 hours — 8 a.m. to 3 p.m. .

\_\_\_\_\_

2nd Meeting, 18 February: 4 hours — 6 p.m. to 10 p.m. Thursday 3rd Meeting, 19 February: 4 hours — 11:30 a.m. to 1:30 p.m. ..... 4:30 to 6:30 p.m. ... 4th and 5th Meeting, 4-5 March:

Same hours as the 2nd & 3rd Meetings. 6th and 7th Meeting, 18-19 March: Same hours as the 2nd & 3rd Meetings. 8th and 9th Meeting, 1-2 April: Same hours as the 2nd & 3rd Meetings. 10th and 11th Meeting, 22-23 April: Same hours as the 2nd & 3rd Meetings. 12th and 13th Meeting, 6-7 May: Same hours as the 2nd & 3rd Meetings. 14th and 15th Meeting, 20-21 May: Same hours as the 2nd & 3rd Meetings. 16th Meeting, 10 June:

4 hours — 6-10 p.m. — Thursday. This schedule may be subject to minor changes

by the instructor.

Evening Class meetings will be held in the Training Building (Room to be announced). The luncheon meeting will be held at the Officers' Club.

# BAKERSFIELD

Bakersfield College, Desert Division, China Lake, of- kersfield College Desert Division Spring 1965 Schedfers a variety of courses, many of which are appro- ule. Copies of this schedule or counseling appointpriate for those employees interested in evening class ments may be obtained by calling FR 5-2348. opportunities. For complete information see the Ba-

Registration may be completed in the Burroughs High School Library, January 25, 26, 27 and 28 between 5 p.m. and 9 p.m., and on Jan. 29, 8 a.m. to 4:30 p.m.

### To Survey Technologies Of Naval Labs in Calif.

An ambitious program to take a complete inventory of the ture, applicants will indicate on | It is envisioned that it may science and engineering specializations found in the work of a special supplemental applicable possible ultimately for a re- Assessment Waived the U.S. Naval Laboratories in California was recently announced tion form a precise profile of quirement code to be estab-

Working with the Board will

tee of scientists and engineers who will spearhead the noselaboratory.

Representing NOTS China the specialty, i.e., research, de- sible in the future for super- sources. Lake will be Leroy Marquardt velopment, etc., and to suggest visors in placing an order with of the Test Department (Code other specializations that should the Board of Examiners to speci-3045). At NOTS Pasadena, the be added because of their sig- fy the type of scientist or engi- such utilization will be possible key man in the survey will be nificance to the mission of the neer needed to do the job to or feasible is something that James H. Green of the Propul- activity. sion Division (Code P8076).

specializations will be obtained an up-to-date code list of engi- position. by means of a questionnaire, neering and science specializa- Armed with this type of in- cancies. To this end he urges Works Department Employee, now being prepared for distri- tions for the use of the Board formation, the Board of Exam- to cooperate fully with the com- according to Joseph M. Becker, bution to certain profession of Examiners in the examina- iners will be able to make a mittee representative in com- secretary-treasurer. al staff members in the near tion and hiring of scientists and much more definitive search for pleting and returning the ques- The former NOTS employee future. The questionnaire will engineers. list science and engineering spe- It is planned that in the fu- dures.

by T. E. Davis, Executive Secretary of the Board of Examina Cializations used by the Nation-

Staff members will be asked to evaluate each specialization that is commonly carried on in it is hoped that it will be pos- tory of manpower skills and re-

This information, when com- the numerical code represent- future. For the present he hopes

retary of the Board of Examinal Science Foundation in its pers for Scientists and Engineers, Pasadena. Calif.

The Davis, Executive Sectorial Sect scientific manpower resources.
in terms of its importance to whether it be development, test, evaluation, management, etc.

their orientation in the field, way an integrated coding system could be established that be held at 7:30 p.m. Thursday, be held at 7:30 p.m. Thursday, be an inter-laboratory commit-Coding to Aid Selection

would be used by all labora- Jan. 28, at the Community Cen-All of these attributes are subcount of technologies at each oratory, the type of function ject to numerical coding, and means for a computerized inven-

Asks Full Cooperation

be filled by simply writing out can only be determined by the is well worth the effort.

# **GEBA** Announces Annual Meeting;

The Boards of Directors of

Agenda for the meeting will include election of officers in addition to a program to be pre-Davis explained that whether Society's president Dick Carlisle sented by the Kern Memorial and secretary Judith Lind.

No assessment will be levied Information concerning the piled, will be used to construct ing the requirements for the to improve the services of the due to the death of Donald E. Naval laboratories in filling va. Wegley, Sr., a retired Public

> possible candidates than is now tionnaire as an endeavor that died in a San Bernardino hospital on Jan. 15.