

'7 December 1941: The Air Force Story' now available in print

To commemorate the 50th Anniversary of the "day of infamy," the Department of Defense has released "7 December 1941: The Air Force Story." This publication recounts the story of the US Army Air Force fleet during the Japanese attack on Pearl Harbor.

The book documents events and actions of the US Army Air Forces on Dec. 7, 1941; describes the overall position of the Hawaiian Air Force before that morning; and examines its leadership, assigned personnel, aircraft, and air defense system. It focuses on the heroism

and anguish of the airmen of the bomber and fighter aircraft commands at Hickam, Wheeler, and Bellows fields during and after the attack on Pearl Harbor.

The book discusses a number of important questions, including why the Imperial Japanese Navy was able to devastate the Hawaiian Air Force with little or no opposition; and why the American air arm with over 200 aircraft, long-range bombers, six radar stations, a trained ground observer unit, and extensive antiaircraft weapons units was unable to perform its primary job of pro-

tecting the fleet. It also examines the state of confusion and agony over unarmed aircraft lined up like sitting ducks on flight lines, and radar stations shut down at 0700 on the morning of the attack. "The Air Force Story" answers these and other questions that have continued to surface since the attack.

It also provides a casualty list of military and civilian personnel who were

killed or wounded on Army Air Force installations.

"December 7, 1941: The Air Force Story," Stock Number 008-070-00664-2, is available for \$11. To order, send prepayment to Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. To order with VISA or MasterCard, phone (202) 783-3238 (Washington, DC).

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THE ROCKETEER

THURSDAY, DECEMBER 3, 1992

NAVAL AIR WEAPONS STATION, CHINA LAKE

Vol. 48, No. 48

Data over the phone

*Integrated Services Digital Network offers
China Lakers alternative services on CTS*

By Barry McDonald
Editor

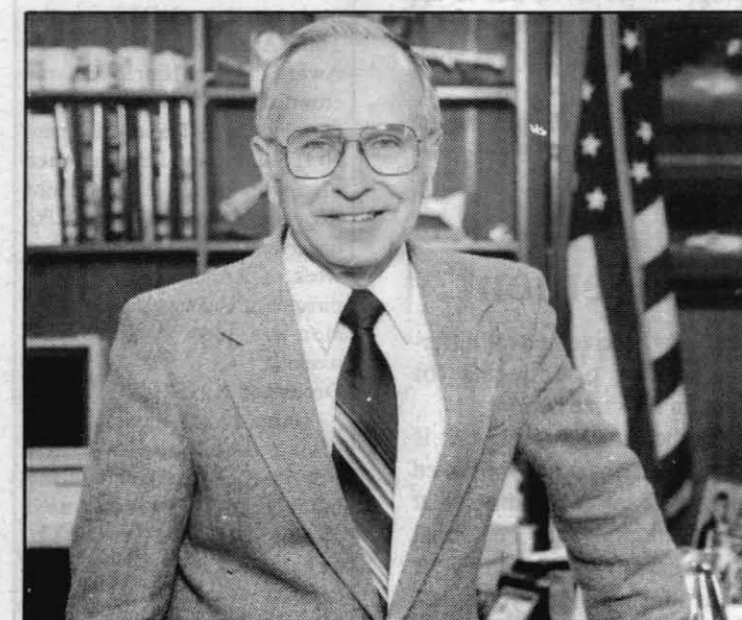
TRIP '92 is over, and the Communication User Services Office reports this first national use of the Integrated Services Digital Network (ISDN) successful in demonstrating the practicality of the concept. TRIP '92 (TRanscontinental ISDN Project 1992), conducted Nov. 16 to 19, was an effort to increase the availability and use of ISDN, which allows the integration of voice and data over existing telephone lines.

The event also officially kicked off the National ISDN-1. In a document signed in February 1991 by AT&T, Northern Telecom, and Siemens Stromberg-Carlson, the three major telecommunication switch manufacturers agreed to build ISDN switches that conform to a set of technical references (TRs) by Bellcore, thereby enabling the switches to work together. Similar TRs have been issued to allow individual telephone companies and end-user device manufacturers to develop systems and devices compatible with the national network.

The Naval Air Warfare Center Weapons Division, China Lake was one of the nine government participants in the event that saw more than 70 national and international companies participating in 185 locations throughout the world. China Lake was able to participate because the Center Telecommunications System was designed with ISDN voice and data capabilities. Those new telephone termination wall plates that were installed before CTS went on line in April give every office on Station the potential for ISDN capabilities.

During the four-day demonstration, computers in the NAWC-WPNS ISDN Lab were connected with the National Institute of Standards and Technology in Gaithersburg, MD and AT&T Bell Labs in

Please see TRIP, Page 5



Bill Porter

OVER-THE-SHOULDER PHOTOGRAPHER—Using VISIT software, Norm Carroll, head of the Communications User Services Office, demonstrates use of the monitor-top video camera that allows callers to see the person they are talking to. The package allows previewing the outgoing image before and during the connection. In this instance Rocketeer photographer Terry Pascarella was caught in his own photo by the video camera. VISIT and other software packages were demonstrated during TRIP '92, which marked the inauguration of the Integrated Service Digital Network.

Bill Porter announces his retirement Deputy Commander for R&D to pack it in at January 7 farewell party

William B. Porter, Deputy Commander for Research and Development at the Naval Air Warfare Center Weapons Division, (NAWCWPNS) has announced his retirement from government service effective January 5, 1993. Porter, formerly the technical director for the now-disestablished China Lake Naval Weapons Center, became the first deputy commander for R&D when NAWCWPNS stood up early this year.

A native of Los Angeles, he has been in federal service since coming to the then Naval Ordnance Test Station at China Lake in 1953 as a junior professional assigned to the Exterior Ballistics Branch of the Research Department. He is a graduate of Seattle Pacific College.

Plans are being made for a farewell party on Thursday, Jan. 7. The time and place will be announced as soon as possible.

NAWC News

What's happening at
various Naval Air Warfare
Center sites

6

Remembering When

Virginia Pittinger continues
her historical series with
a look at old Kernville

7

Turkey Trot

Results of annual 3-mile
race at Cerro Coso
Community College

16



Pierre Saint-Amand

First in a series that profiles
the life and career of
NOTS/NWC geophysicist

10

Weather

	Nov. 18-23				
	Max.	Min.	Gusts		Humidity
Wed	63	27	9		46-17%
Thurs	64	23	7		—
Fri	68	26	7		34-13%
Sat	66	23	21		—
Sun	65	4	13		—
Mon	66	24	7		46-14%
Tues	62	20	7		44-13%



China Lake Calendar

Monday, Dec. 7

- Holiday Traffic Seminar, 10 a.m. and 1 p.m., Station Theatre

Tuesday, Dec. 8

- Government Surplus Auction, 9 a.m., Bldg. 1073, Warehouse 41
- Bone Marrow Donor Drive, 8 a.m. to 3 p.m., Branch Medical Clinic

Saturday, Dec. 12

- MWR Children's Christmas Party, 5:30 p.m. for 6 years and under, 6:30 for children of all ages, Youth Center

Tuesday, Dec. 15

- Kids Night, 7 to 9 p.m., Navy Exchange

Thursday, Dec. 17

- Final 1992 edition of *The Rocketeer*



NAVAL AIR WARFARE CENTER WEAPONS DIVISION COMMANDER

RAAdm. William E. Newman

VICE COMMANDER

Capt. Douglas W. Cook

DEPUTY COMMANDER

FOR RESEARCH AND DEVELOPMENT

William Porter

DEPUTY COMMANDER FOR TEST AND EVALUATION

Gerald Wroot

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Deadline for receiving stories and photos is 4 p.m., Friday for publication on the following Thursday.

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The Commanding Officer's Desktop



The Commanding Officer's Desktop phone line, 939-4127 is no longer in service. Commanding Officer's Desktop questions can be mailed to CO's Desktop, C/O Code C08033, NAWS, China Lake 93555, or, using guard mail, address the envelope to CO's Desktop, Code C08033. Questions can still be sent in anonymously, but for a personal reply, please include your name, code and telephone number. If further information is needed, please call 939-3354.

QUESTION

Why isn't the China Lake Police Department used to its full capacity. They are not currently involved in the on Station schools drug education programs such as D.A.R.E. or S.A.N.E., Neighborhood Watch programs, or allowed to participate in our community activities on or off duty representing the China Lake Police Department. If they were allowed to do so they would be able to promote a positive image. By allowing outside agencies (RPD, KCSO) to exclusively provide the above type programs to the Station, they are viewed as the "good guys" and CLPD as the "bad guys" or outsiders, primarily due to their lack of positive public interaction. The best available resources for these programs are right here on Station at the China Lake Police Department. Thank you Captain.

ANSWER

The China Lake Police have been impacted by current budget constraints just like other codes aboard. They have not participated in some community events in recent years to the same degree that they may have in years past. For the last several years, China Lake Police have not had an individual designated specifically for juvenile cases. The primary responsibility of the China Lake Police includes various duties and responsibilities not generally visible to the general public. These include providing physical security to the Naval Air Weapons Station, protection of personnel and resources, such as aviation assets and special projects, traffic enforcement, and law enforcement.

Several years ago, the China Lake Police Crime Prevention Officer attempted to obtain support from the residents of China Lake for involvement in a community watch program. However, due to the short residency resulting from transfers and lack of interest on the part of the China Lake residents at that time, the program was abolished.

As other additional services can be afforded (for example, we are currently reviewing the cost of participating in the DARE program) they will continue to be provided.

Want to talk to management?

One of the easiest ways to say something anonymously is to respond to surveys that management initiates to gather opinions or information from large numbers of people in a short time. If the survey results can be synthesized into a few comprehensive findings, they are likely to be understood, retained, and used.

Random selection of survey recipients allows only a portion of the population to be "interrupted" from their work to represent the general workforce input. One problem that may occur with the random selection method is that a few per-

sons may receive several different surveys or requests for input in the same period.

In the next few weeks, it is possible that you may be asked to provide information on what you think about the Personnel Demonstration Project, your plans for retirement, your preferences for the Wellness program, your thoughts about the NAWCWPNS newspapers, or more. We hope multiple data requests are not sent to anyone and ask for your patience if this happens. We really do need your responses if informed decisions are to be made in all of the topics of concern.

Pages From The Past

December 3, 1982

Robert Hillyer, former NWC Technical Director and now Director of Navy Labs, was honored as a Distinguished Senior Executive at a recent White House ceremony. . . Capt. C. Scott Vaught took over duties as NWC chief staff officer, succeeding Capt. John Patterson. . . Glenn R. Johnson and Rich Printy were winners of the Clarence Renne Award for plant improvements in the Ordnance Systems Department. . . Volunteers Ron Jackson, John Hart and Chuck Foster created a new playground structure for the Capehart B mini-park. . . CFC contributions hit a record high of \$175,103, with some money still not reported.

December 1, 1972

Aircontrolman 2nd Class John Stewart of the Naval Air Facility, took top honors at a two-day drag race competition in Orange County. . . Combined Federal Campaign fund raising hit \$76,844 for 1972. . . Alice Zilmer of the WACOM Thrift Shop presented checks of \$1,000 to the NRS and CFC. . . Dr. Hugh Hunter, head of the Research Department is the latest person to earn a 20-year NWC pin. . . PW's Transportation Division Ops Branch, headed by Bobby Brown, took first place in a National Safety Council Competition.

November 30, 1962

Newton Ward, G.S. Colladay, W.F. Cartwright, Jack Slaton, Duane Mack and Capt. F.A. Chenault were the latest winners of the L.T.E. Thompson Awards. . . Dr. Peggy Rogers, Weapons Development Department, was nominated by NOTS for the Third Annual Federal Woman's Award. . . Leo Enriquez was crowned the Station Golf Champion by Capt. Charles Blenman, NOTS Commander; Enriquez also won in 1958. . . Gerald Rogers, the Station's newest CPO underwent "chiefs initiation" last week. . . RAdm. J. Floyd Dreith, director of BuPers chaplains division is a guest at NOTS this week.

December 3, 1952

China Lake school officials took possession of the new Vieweg Elementary School and made ready for classes next month. . . The Bee Gee Cab Co. of Ridgecrest will now charge 50 cents for all calls aboard NOTS. . . Area voters rejected school district unification, 790 to 67. . . Doug Beck scored 47 points in two games as the Rocket Five moved its cage record to 4-0. . . Visiting reporters saw a live demonstration of the improved 2.75 "Mighty Mouse" rocket. . . Wash Nichols, 411-B Landley is the new president of the local NAACP chapter.

COMMUNITY EVENTS

Community Connection for Child Care parenting tape for the week of Dec. 1 to Dec. 7 is entitled "Normal 'Problem Behavior.'" Coping with normal behavior such as tantrums, biting, etc. This 3 to 4 minute tape can be heard from 5 p.m. to 10 a.m. by calling 375-0446.

#

Tonight, Dec. 3, the High Desert Xeriscape committee kicks off its 1992-93 lecture series with Mr. Larry Farwell presenting "Graywater Reuse in California." All lectures

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moves on to 'Mr. Mom'
following 21-year career

With emotion cracking his voice, retiring Chief Aviation Boatswain's Mate Gary D. Heaton kept his departing comments "short and sweet." The chief thanked various relatives, who came from as far away as Arizona, and friends for attending the retirement ceremony Monday afternoon at the Seafarer Club.

"It's been a wonderful 21 years," said the chief. "There have been good times and there have been bad times. But it's like that in any job. You have to take both. That's what I've tried to share with the young sailors who may be dissatisfied with their jobs in the navy."

He said in the future he planned to play Mr. Mom to his two-and-half-year-old daughter Christine.

Earlier Capt. B.J. Craig, Naval Air Weapons Station Commanding Officer, had praised ABHC Heaton's work with the younger sailors. "No matter what he was doing," said the skipper, "Gary always arranged time to talk to the junior sailors. And they felt they could speak freely and openly to him about whatever was on their minds. That kind of relationship is very special, and I thank you for the bottom of my heart for that, chief."

The CO's letter of appreciation notes that Heaton served as Aircraft Maintenance Department Line Division Leading Chief and Aviation Department Safety Chief during his time at China Lake.

"Your outstanding leadership and performance resulted in a completely renovated maintenance training program for the plane captains by reducing qualification time by 75 percent while increasing the quality of the program," Capt. Craig wrote in the letter.

Heaton started boot camp at the Naval Training Center, San Diego, on Oct. 13, 1971. Then he spent a month at Aviation Fleet Preparatory School in Millington, Tenn. before joining the crew of the USS Okinawa as an undesignated airman apprentice in February 1972. It wasn't long before he became "designated," however. "My chief said 'You're gonna be an aviation boatswain's mate,'" Heaton said with a laugh. "So that's how I became one."

He left the Okinawa in late 1975 after making second class, having served as flight deck crash and salvage petty officer and hangar deck leading petty officer. He reported next to Naval Air Facility, Naples, Italy in January 1976, which became the Naval Support Activity, Naples six months later. In December 1978 he was promoted to first class.

From April to July 1979 Heaton attended aircrew candidate school and C-130 loadmaster school, before joining Antarctic Development Squadron Six.

In November 1983 he arrived at Fleet Logistics Support Squadron Twenty-Four (VR-24), Detachment, Rota, Spain. He saw that squadron decommissioned in October 1984 at the same time VR-22 stood up in Rota. He made chief in September 1989 and came to China Lake in January 1990.

Besides the letter of appreciation from Capt. Craig, Heaton received the certificate officially transferring him to the Fleet Reserve, a certificate of appreciation from President George Bush, the Order of the Dust Devil and the Desiccated Order of the Purple Sage. Elizabeth Heaton, the chief's wife, received a certificate of appreciation from Capt. Craig, who said words could not describe the thanks deserved by any navy spouse.

Command Master Chief Billy Keeler presented Heaton a flag box containing several of his decorations, including designation as an Enlisted Aviation Warfare Specialist and as a Naval Aircrewman, a Navy Unit Commendation and Meritorious Unit Commendation, among many others.

Master Chief Keeler said he'd served with Chief Heaton at VXE-6, when Heaton was a C-130 loadmaster

MILITARY NEWS



Photo by Terry Pascarella

WELL DONE, SHIPMATE—Command Master Chief Billy Keeler presents ABHC Gary Heaton with flag box and thanks him for his years of service.

and he was a flight engineer. "I remember one phrase the chief always used to use," said the CMC. "He'd say, 'We can do that.'"

The ceremony concluded with the traditional rite of being piped ashore, first alone and then with his wife. They were then congratulated by many well-wishers, including a large contingent of the real estate staff from the Coldwell Banker Best Realty office in Ridgecrest where Elizabeth works as the agency's advertising director.

Heaton said they intend to stay in the area and, in all seriousness, he does intend to get a job after playing Mr. Mom for a little while.

In the mean time he'll continue to volunteer his time at the Transition Assistance Program office whenever Judy Baron needs his help.

Thanksgiving à la the NEX

Jerry Gentry got the luck of the draw in this year's Thanksgiving Dinner giveaway by the Naval Air Weapons Station China Lake Navy Exchange. Jerry, however, was out target shooting when the meal was delivered by NEX Officer-in-Charge, Lt. James Anderson and cooks Selena Sosebee and Karen Schortzmann at 4:15 p.m.

The meal was prepared at the NEX's Airfield Galley and included an 18-pound turkey with stuffing, mashed potatoes and gravy, cranberry sauce, dinner rolls, green beans, corn, pumpkin pie and a magnum of White Zinfandel.

"Jerry was out for his annual plink-a-few-bullets-at-a-can," joked Marilyn Gentry. "He and our two kids were back in time to eat. And it was a wonderful meal. They thought of everything, and it was very well prepared."

FEAST—Marilyn Gentry (seated) was joined by friends and family, including her 90-year-old grandmother (far right) for the dinner from the NEX. Cooks Karen Schortzmann and Selena Sosebee are third and second from the right.

Photo by Lt. Anderson



Navy Marine Corps Relief Society installs new volunteer co-chairmen

In October, a farewell ceremony was held by the Navy Marine Corps Relief Society for Randie Reno, departing Chairman of Volunteers. Lieutenant Chris Sonderman, Executive Director of the China Lake Branch, and Joyce Dinnage, Executive Director of the Long Beach Auxiliary were on board the Naval Air Weapons Station China Lake to wish Randie well and to install new co-chairmen. Susan Berry and Sue MacKenzie will now head the staff of volunteers as co-chairmen.

The goals of the new chairmen include making the China Lake military

community more aware of the resources Navy Marine Corps Relief can offer them, familiarizing volunteers with new policy changes and insuring that all requests for assistance are handled promptly and courteously.

Beginning Dec. 2, the NMCRS office will be open from 9 a.m.-noon; Monday, Wednesday and Thursday. NMCRS exists to assist military personnel and their families in times of need. Appointments may be scheduled by phoning the office at 939-2921 during operating hours.



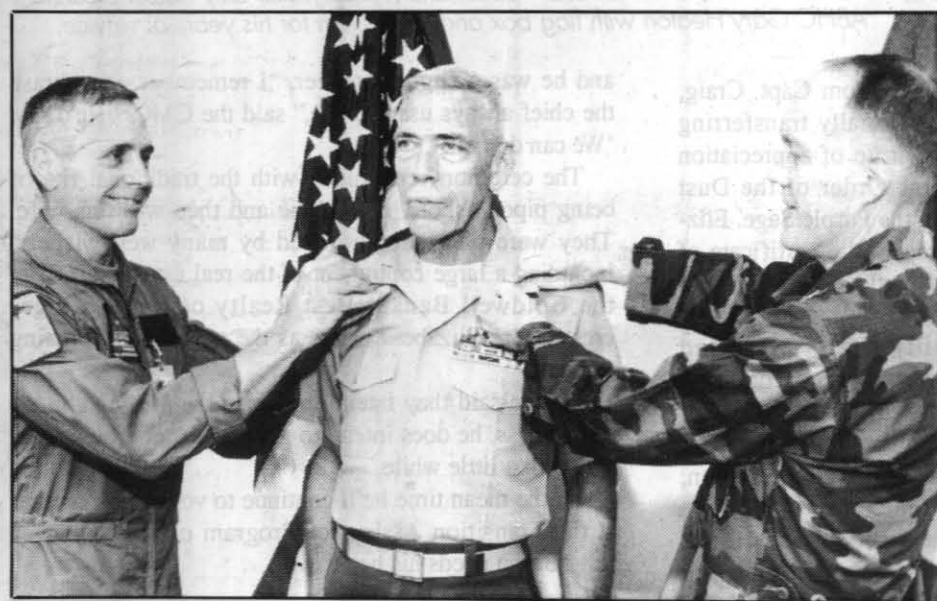
FAREWELL—Randie Reno, departing Chairman of Volunteers (left), was congratulated by Susan Berry, Lt. Chris Sonderman, Sue MacKenzie and Joyce Dinnage for more than 3000 hours of NMCRS volunteer service.

CHAMPUS outpatient deductibles told

The computation of the CHAMPUS annual deductible for outpatient care began Oct. 1 for the new fiscal year. For services received from Oct. 1, 1992, through Sept. 30, 1993, all CHAMPUS-eligible persons, except the family members of active-duty E-4s and below, will pay the first \$150 (for one person) or the first \$300 (for a family) of allowable charges for outpatient medical care.

The families of active-duty E-4s and below (and CHAMPVA) will pay an annual outpatient deductible of \$50 for one person, or \$100 for the whole family.

CHAMPUS claims processors keep track of outpatient claims filed within the states or areas they serve, until an individual or a family has met the deductible.



ONE OF NINE Marines to actually where the rank, William E. Porter receives chief warrant officer 5 insignia from Marine Aviation Detachment Executive Officer, Maj. Richard C. Branch (left) and Commanding Officer, Col. Richard W. Chambliss. The promotion took place Nov. 30, following a Congressional Order authorizing the Army, Navy and Marines to promote qualified personnel to CWOS and Porter's recognition by the selection board.

Chapel
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Batsheva Gluckman
Student Rabbi

Hanukkah

In America, the winter months are times of festivity for Jews and Christians alike. For most of the U. S., the primary celebration centers around Christmas, which has been manifested through decorating houses and trees with light, and giving many presents. It is not coincidental that Hanukkah, December 19 to 27 this year, is known as the Festival of Lights and is also a time of gift giving (in American Jewish communities). This gift giving tradition is just one example of the ways in which Judaism has adapted local cultural traditions for their use.

Hanukkah is a minor festival in the Jewish calendar, major ones being the agricultural festivals of Sukkot, Pesach, and Shavuot. It is termed "minor" for the reason that it is not a biblically ordained holiday. Its evolution and resolution are interesting to study.

In the Book of the Maccabees, not one of the books of the Hebrew Bible, it tells that when the Hasmoneans (Maccabees) regained the Temple (~125 b.c.e.), they celebrated a holiday eight days long, which is presumed to be the Festival of Booths, Sukkot, as they would not have been able to at its proper time without the Temple in their possession. It was important for them to do so, because of the holiday's emphasis on much needed rain prayers. In contrast, the rabbis of the Talmud (up to 500 c.e., ~650 years later) tell a different story—one that the Jewish tradition has adopted wholeheartedly ever since. When the Maccabees recaptured and entered the Temple in an effort to rededicate it, they discovered that the oil had been defiled by the Greeks. Yet a miracle occurred with the last cruse of pure oil, enough only for one day. This oil burned eight days, and therein we give thanks each year and acknowledge that miracle.

With that story in mind, each year Jewish people everywhere light candelabras called Hanukkias that contain a place for eight candles and a ninth to light all the rest. It is customary to put the candles on a window sill, so that it is a sign for passersby that a miracle happened here. All mourning and fasting are suspended for this holiday's observance of eight days, and generally it is filled with game playing and merrymaking. Watch out also for your cholesterol...this holiday that commemorates the miracle of the oil does it with oily, fried foods: potato pancakes, doughnuts...Enjoy!

All Faith Chapel Services

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Protestant

Sunday Worship Service, East Wing 8:00 a.m.
Sunday Worship Service, Main Chapel 10:30 a.m.
Sunday School, 1008-10 Blandy & 1903-05 Mitscher 9:00 a.m.
Bible Study (East Wing), Wednesday (September thru June) 11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday 6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday 7:00 p.m.

Jewish (446-4152 Messages)

Weekly Services, Friday, East Wing 7:30 p.m.
October through June
Hebrew Classes, Saturday, 1902 Dibb 2-5 p.m.
Adult Education, Saturday, 1902 Dibb 10 a.m. - noon
September through June
Religious School, Sunday, 1902 Dibb 9:30 a.m.-12:30 p.m.

Roman Catholic

Sunday Mass, Main Chapel 9:00 a.m.
Daily Mass, Blessed Sacrament Chapel 11:35 a.m.
Confessions, Sundays 8:15 - 8:45 a.m.
Confessions, Weekdays By appointment
Religious Education Classes, Sunday (September thru May)
1902 Dibb, 1002 Blandy, 1008-10 Blandy & 1903-05 Mitscher 10:15 a.m.
Adult Education Classes, Thursdays (September - May)
St. Ann's School Library 7:00 - 8:00 p.m.
RCIA, St. Ann's School Library 8:15 - 9:45 p.m.
Islamic
Jumaa Prayer, Friday (1002 Blandy) 12 noon

Chaplain T.F. Mele, LCDR, CHC, USN
Chaplain G. L. Goodman, LT, CHC, USNR
Batsheva Gluckman, Student Rabbi
Office Hours: Monday thru Friday, 0730 - 1630
Phone 939-3506, 939-2773 and 939-2873

Schoeffel Field renovations complete as All-Stars play

When the China Lake All-Stars ripped Bomb-R-U's, 18-2, in softball action last Tuesday (Nov 24), it marked the first game played on the newly renovated Schoeffel Field.

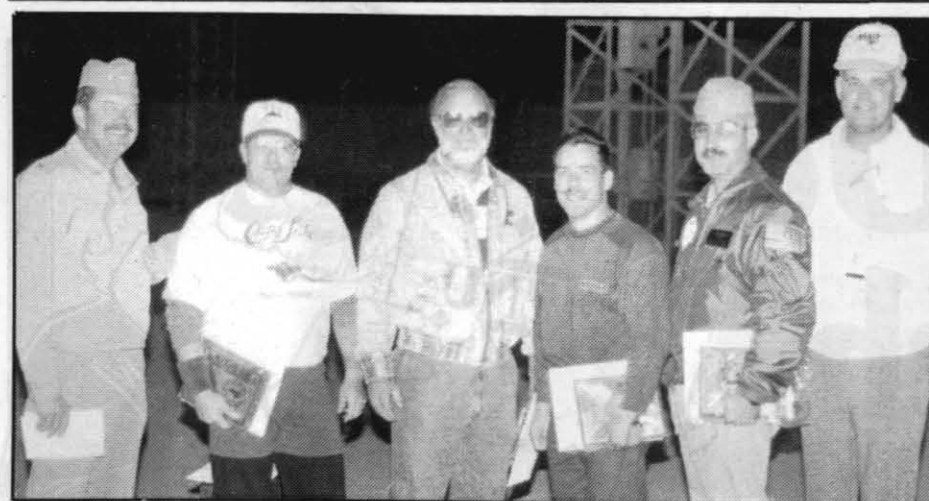
In that opening game, Atkinson scored three runs while Dowdle, Alexander, Grove, Miller and Nisley scored two runs each in leading the China Lake All-Stars.

Bomb-R-U's tallies were scored by Admire and Tiffany.

Captain Dan Stone, head of the Aircraft Department, represented Capt. B.J. Craig, Naval Air Weapons Station China Lake Commanding Officer, in throwing out the first pitch of the new season at the renovated field.

Volunteers, working with the Morale, Welfare and Recreation Department relayed and refenced Schoeffel Field to allow the season to open.

Tom Blackmore, MWR director, presented letters of appreciation to the following volunteers for the efforts: AMSAN Darrell Alexander, AT3 Paul Atkinson, AMS1 Michael Brown, HM2 Robert Cox, AMH2 Richard Grove, A22 John Rolence, HM2 Donald Pearce and AMS3 Michael Slater.



TEAM PLAYERS—Capt. Dan Stone (l) and Tom Blackmore (R) present MWR Team Players Awards to volunteers.



WELL DONE—Tom Blackmore presents letters of appreciation to Schoeffel Field volunteers.

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18560HR14	\$59.95
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19560HR15	\$64.95
20560HR15	\$67.95
21560HR15	\$79.95

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SPORTS

Track Club attracts record throng for its annual 'Turkey Trot' event

More than 300 entrants, a new record for this event, including six dogs, took part in the annual Turkey Trot Race sponsored by the Over-The-Hill Track Club. Running a hilly, three-mile course, the 314 runners (not including the dogs) ranged in age from three to 60 years of age.

Using a blind handicap for runner, top honors went to two entrants who, with the handicap managed negative times. Ingrid Blose had a -7:01 while Paula Strawser was next at -3:48. Elaine Samson was third with a handicap time of 1:06 and fourth place went to Jan Finlinson at 1:17. The top 60 handicap finishers received prizes from merchants or the club.

The club also continued the tradition of the "rubber chicken" award to the fastest (non-handicap) time. This year it went to Eric Martin with a time of 17:59 for the three miles.

OTHTC announces 50K ultra marathon race

On Dec. 12, the Over The Hill Track Club will hold its annual 50K High Desert Ultra Marathon, Trail Marathon and Relay Race.

The race will begin at 7:30 a.m. at Cerro Coso Community College. The loop course features rolling desert terrain and elevation ranges from 2400-3500 feet. Eight aid stations, featuring drinks, snacks and health aids, will be available.

Entry fees for the Ultra and Marathon will be \$25 per person, per event, and \$20 per person for the Relay Race. No registration will be taken on the day of the events.

Profits from this benefit race will be donated to the China Lake Mountain Rescue Group.

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TRIP from Page 1

Holmdel, N.J. and Columbia, Md. to demonstrate LAN-to-LAN connectivity. File sharing and multimedia conferencing were demonstrated with a connection to JPL in Pasadena, Calif.

"Of course, ISDN is not meant to replace our existing data network," said Norm Carroll, head of the Communications User Services Office, "but rather to augment it in areas where the data network does not have connectivity." Narrow band ISDN provides ideal alternate routing and backup capability for dedicated data networks.

"The system will allow remote users to tie into a local area network," said Cyndi Wilson of the VisLab. "By having the appropriate equipment at a location with direct access to the LAN and ISDN on both ends of the connection, the remote user can access the LAN through his or her computer over telephone lines."

In addition to demonstrating applications on the basic rate interface and primary rate interface services, which differ by user capacity, the Lab demonstrated VISIT, or Visual Interactive Technologies, Northern Telecom's "convergence of video, telephony, and personal computing." A Mac workstation, equipped with a small, monitor-top video camera made a connection to a similarly equipped Mac at the Jet Propulsion Laboratory in Pasadena when Carroll dialed it up via the keyboard. A privacy feature displayed a message at the other end to let the person called know a face-to-face video connection was requested. He then could choose whether to enable his camera.

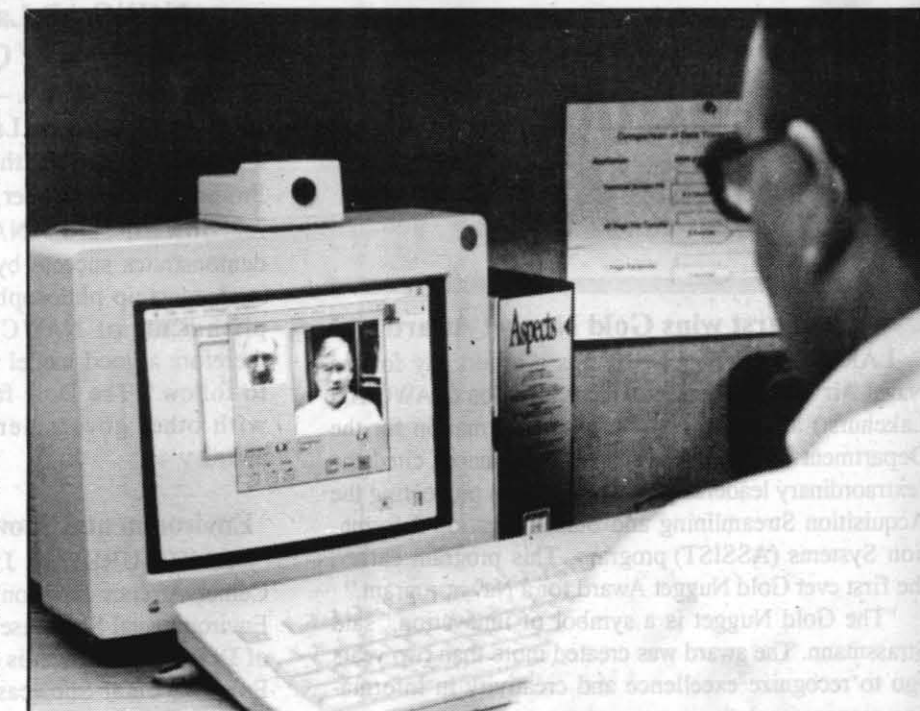
In addition to the video link capabilities, including multiline conferencing, VISIT allows file exchange, screen sharing, which allows simultaneous work on the same file, and Meridian voice mail interface. The latter allows the user to work through voice mail messages using menus and the mouse, rather than having to con-

tinually push buttons on the phone. Further, since the originating number of all incoming calls are recorded, the user can simply point and click to return calls.

TRIP '92 was sponsored by the North American ISDN Users Forum and the Corporation for Open Systems International. "With its focus on a broad, general consumer audience," reads the fact sheet from the sponsors, "TRIP '92 will present National ISDN as a means to harness the nation's technical resources for the advantage of every business, home, and school throughout the country."

It goes on to explain the benefits of ISDN to large and small businesses, medical, and other independent professionals, work-at-home telecommuters, private residential customers, and educational facilities.

Carroll said China Lake's participation was only made possible due to the diligent cooperation between task teams from the NAWCWPNS and Contel Advanced Systems, Inc. (CASI). Those teams included Jim Field (Code C63103), Carroll (Code C6311), and Wilson (Code C6324) from NAWCWPNS and Dave Tyree, John Woods, James Butcher, and Brad Rolfness from CASI/Contel.



DIGITAL VIDEO links Norm Carroll (right foreground and upper left on monitor) with Wes Mathewson over ISDN phone lines.

The ISDN team is continuing to investigate various applications for switch compatibility and usefulness to local users. Carroll said that basic rate ISDN data service will be available for use in the first part of 1993. The CTS is internal to China Lake and it has ISDN connections to the FTS2000 network. The connection to FTS2000 allows China Lake to connect to other FTS2000, ISDN-capable users.

The NAWCWPNS ISDN team will demonstrate ISDN to anyone interested. Please contact Carroll at 939-3358 or Field at 939-0857 for more information.

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NAWC News

Lakehurst wins Gold Nugget Award

LAKEHURST, N. J. — It was a proud day for the Naval Air Warfare Center Aircraft Division (NAWC AD Lakehurst) as Director of Defense Information for the Department of Defense, Paul A. Strassmann, cited the "extraordinary leadership of the Center in pioneering the Acquisition Streamlining and Standardization Information Systems (ASSIST) program. This program earned the first ever Gold Nugget Award for a Navy program."

"The Gold Nugget is a symbol of innovation," said Strassmann. The award was created more than two years ago to recognize excellence and creativity in information management.

Vice Admiral W.C. Bowes, Commander, Naval Air Systems Command (NAVAIR), accepted the award from Strassmann. Joining him on stage for the ceremony were RADM. George H. Strohsahl Jr., Commander, Naval Air Warfare Center and Capt. David J. Raffetto, Commanding Officer, NAWC AD Lakehurst.

The NAVAIR commander thanked the NAWC AD Lakehurst team for winning the Gold Nugget Award and said, "It is good work. More people in the Department of Defense are going to see what's happening here at Lakehurst. You're really a precious commodity, a jewel within naval aviation."

NAWC AD Lakehurst nominated for QIP honor

LAKEHURST, N. J. — The Naval Air Warfare Center Aircraft Division Lakehurst has been selected as a Navy nominee for the 1993 Quality Improvement Prototype Award. Under Secretary of the Navy, J. Daniel Howard said, "NAWC AD Lakehurst clearly demonstrates success by implementing the total quality leadership philosophy. The initiatives and accomplishments of NAWC AD Lakehurst are unique; therefore a good model for other government agencies to follow." The DoD facility selected will compete with other government agency nominees for the award.

+++

Environmental Showcase Installation selected

LAKEHURST, N. J. — The Naval Air Warfare Center Aircraft Division Lakehurst has been named an Environmental Showcase Installation by the Department of Defense. Lakehurst is one of a select number of DoD Environmental Showcase Installations which will be toured by senior managers from the Environmental Protection Agency. The managers will see efforts in the areas of pollution prevention, innovative remedial technologies, expediting site cleanups and other environmental compliance programs.

+++

Warminster adds new radar system technology

WARMINSTER, PA — Naval Air Warfare Center Aircraft Division Warminster recently added an unparalleled radar systems with the technology to prevent "mistaken aircraft" tragedies such as the Korean Airlines incident in the early 1980s. The new system was brought on line through efforts of Warminster's Microwave Technology Division.

This radar enhances the military's ability to determine if a moving aircraft is friend or foe by utilizing the return radar signature. This "fingerprint" return signal will be in a computerized data base on non-cooperative target recognition. "We will utilize all of the salient features of the radar signatures that are available to identify that aircraft to avoid making a mistake -- saying its enemy when it's really an air bus," said Frank Plonski of the Microwave Technology Division.

Investigator for Office of Inspector General to visit China Lake Jan. 11-14

An investigator for the Office of the Inspector General, Naval Air Systems Command, will visit the Naval Air Warfare Center Weapons Division China Lake site on Jan. 11-14, 1993. As part of this visit, the investigator will be available for personal consultations with any employee, civilian or military.

This is an opportunity to express, directly to the Inspector General, any suggestions, complaints or concerns of individual employees.

Interviews will be held on Tuesday, Jan. 12 and Wednesday, Jan. 13, from 7:30 a.m. to 3 p.m. Call the head of the Command Evaluation Staff (Code C006), John Trosper, at 939-3556 for an appointment. Personal identification is not required when making an appointment or during the interview.

Any questions regarding this visit should be addressed to Trosper at the above phone number.

TVIS BROADCAST SCHEDULE

Monday, Wednesday & Thursday, Dec. 7, 9 & 10

Programs listed below will be available for viewing on Channel 3 in all FOTS-equipped conference rooms throughout the Station. Those without access to such rooms can see the programs at Michelson Laboratory "Little D" conference room. A room will also be made available in the Training Center for each program — the room number will be posted in the lobby.

Monday - Dec. 7

8:30 a.m. CCI: Multi-Protocol Networking
10:30 a.m. CCI: Software Reuse Through Frames
11:30 a.m. Wellness: Walking for Wellness Seminar
1:00 p.m. CCI: DOD CIM Initiatives Featuring Paul Strassman, Director Defense Information
2:30 p.m. Tom Peters: Recession as Opportunity; Smart Moves for Tough Times

Wednesday - Dec. 9

8:30 a.m. CCI: The Road to Broadband Networks
10:30 a.m. CCI: Object Management Infrastructure
11:30 a.m. Wellness: Stress and Relaxation
1:00 p.m. Wellness: HIV/AIDS in the Workplace. (This is a rebroadcast of the class given at the Training Center on Oct. 20.)

Thursday - Dec. 3

8:30 a.m. CCI: Re-Engineering User Experiences
9:30 a.m. CCI: Distributed Network Management
11:30 a.m. Wellness: Stress and Relaxation
3:00 p.m. Morris Massey: Dancing With the Bogeyman — How To Get Through Tough Times and Tight Budgets Without Losing Your Head

Navy Channel 17

Monday - Friday, Dec. 7-11

5:30 p.m.: Navy News This Week
6:00 p.m.: "Zuni, the General Purpose Aircraft"
6:17 p.m.: Local News Recycling China Lake Challenge
6:23 p.m.: The Sundagger
6:42 p.m.: CHAC

Note: In order to help celebrate the Year of the Indian, Navy Channel 17 will air two programs, "The Sundagger" and "CHAC" during the week of Dec. 7-11

---- : CH 17

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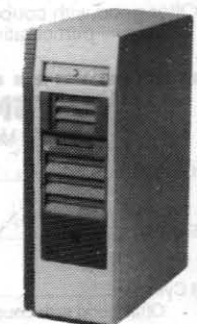
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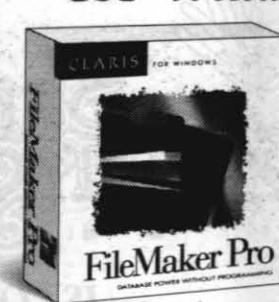
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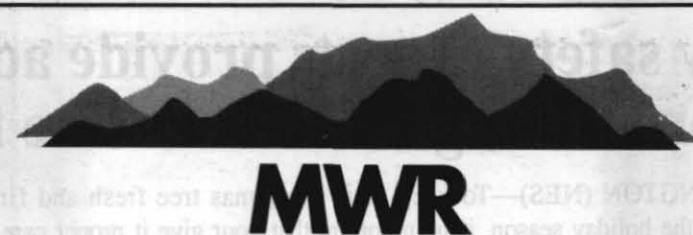
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Heavy schedule of events at MWR

Members of the Naval Air Weapons Station China Lake Morale, Welfare and Recreation Department plan on doing everything they can to ensure all the military personnel, civilians and their families, have plenty of fun things to do this holiday season.

NAWS Holiday Decoration Challenge

This challenge is open to all office spaces at China Lake. Spaces will be judged in the following categories: best home-made decorations; prettiest tree; best decorated door or window; and best overall decorations. One entry form must be submitted for every category that is to be considered in each office space. All categories can be entered, if desired. Entries must be submitted no later than Dec. 14 to the gym.

Letters to Santa

During the month of December, children will be able to write to Santa Claus and receive a reply! All replies will be postmarked from the North Pole. Letters to Santa should be dropped off at the Youth Center. Please include a self-addressed, stamped envelope.

Holiday Balloon-O-Grams

Order a dozen helium-filled balloons from the Youth Center, 939-2909, and have them delivered by one of the following: Santa Claus, Mrs. Claus, clown, bunny, gorilla, bee, teddy bear or even an M&M. A 24-hour advance notice is required for all orders.

A rubber balloon bouquet, is \$15 (delivered) and \$10 (picked-up), while a crystal balloon bouquet is \$17 (delivered) and \$12 (picked-up). An individual Mylar balloon is \$3, while a rubber balloon is 60 cents and a crystal balloon is 80 cents.

Children's Christmas Tree

The China Lake Community Library staff encourages all young, budding artists, 12 years of age and under, to help decorate the library's children's tree, which was put up Dec. 1. Participants are asked to make one decoration, using their best creative and festive imagination. The ornament should not be larger than three to four inches in size.

Holiday Weight Room Challenge

It isn't too late to sign up for the Holiday Weight Room Challenge, noted Elaine Arnell, head of the Sports Division. To beat the challenge, just exercise 30 minutes a day at the NAWS China Lake Gymnasium Weight Room 28 times between now and Jan. 4. On top of giving themselves a more healthy lifestyle, those who beat the challenge will receive a specially designed t-shirt. Cost is free to military personnel, \$5 for DoD personnel and \$6 for the general public. Registration is being taken at the gym.

December Splash for Health

During the month of December, MWR is offering a free Holiday Lap Swim Program. Participants can keep track of their daily swimming mileage (in quarter-mile increments) throughout the month of December. Gifts will be given for reaching various distances (five miles, 10 miles, 15 miles, 25 miles, 30 miles and up), noted Arnell. Mileage charts may be picked up at the gym.

Volleyball Tournament

On Dec. 8 and 10, MWR will host a Volleyball Tournament. Tournament rules dictate that one member in the four-person team be female; however, there is no requirement for the female team member to touch the ball before a return is made. Games begin at 6 p.m. on Dec. 8. Ribbons will be awarded for first and second place team winners. There is no cost for DoD or military teams.

Series honors China Lake's 50th Anniversary

Recollections of a year living in Kernville

By Virginia Pittinger

(Editor's note: This week, The Rocketeer continues the "Remembering When" feature series, written by Virginia Pittinger, the first Navy wife to live at the Naval Ordnance Test Station, Inyokern. This once-a-month series marks the start of special 50th Anniversary coverage in the newspaper. The series will focus on life at NOTS in the 1940s. The wife of A. L. Pittinger, a Navy lieutenant junior grade when he arrived at NOTS in 1943, Virginia now lives near Santa Fe, New Mexico. They stayed at NOTS until 1949. While here he served as pilot plant officer and liaison officer with Cal Tech while on active duty. As a civilian, from 1946 to 1949, he was chief engineer for the Explosives Department. Virginia has written two novels, a number of short stories and a newspaper column.)

Kernville was the center of our lives for almost a year. It took a little time for the people to accept us, but eventually most of them found us tolerable enough, and on the whole our relations with them were cordial.

The one notable exception was a little pipsqueak of a man who owned the water system. He had a sly habit of dropping in on one or another of us at odd times to see whether any leaks or drips or erratic plumbing were wasting his water.

One fine morning Mary Jo was sleeping outdoors in her carriage with the dog guarding the gateway to the yard. When the water man came by and pushed on the

gate to open it, Beauty-Bones growled deep in her throat but did not move. The man pushed harder, hard enough to get his foot inside and give her a firm kick in the ribs. She leaped up to let him in, then neatly nipped a piece out of the seat of his pants and, we heard later, a bite out of his flesh as well. His screams were audible all over town as he turned his damaged tail and ran.

Remembering WHEN

It was not long before everyone knew what had happened. He was, in fact, taking down his trousers to show his buddies what that damn dog had done and threatening to shoot her if he caught her wandering about alone.

Kernville had the usual mix of people to be found in a small, remote town—those who had been born there and had never left; those who chose to be there for one reason or another; and those who were either running away or hiding from something.

The manager of the general store in Isabella fell into the last category. He was a big, round man with a pale,

round face who lived alone in a shack on the river bank. He came to all the town dances where he sat in a corner by himself smoking a smelly old pipe as he watched the rest of us having a good time. Even in the store he rarely spoke, but he was always kind and helpful and never more so than when we needed something for the children.

At some point a good, solid citizen told us that he was an ex-con who had served time for embezzlement, been divorced from his wife as a consequence of his fall from grace, and had at last found refuge in Isabella where, in the fashion of the old West, nobody asked too many questions or sat in too harsh judgment on his fellow man.

There were others like him along the river bank—they were called "Bankers"—but he was the only one who touched our lives and, sometimes, our hearts.

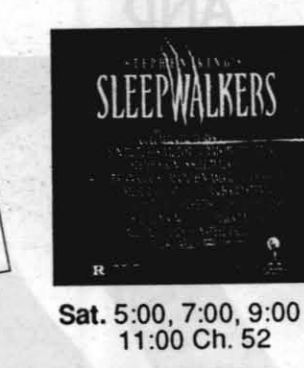
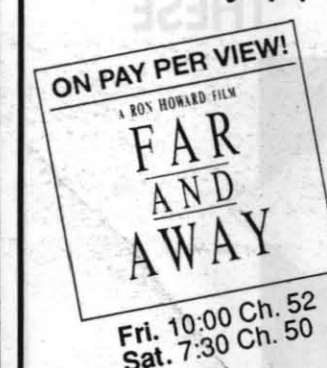
Up the river from Kernville there lived, by enthusiastic choice, an elderly couple, Ted and Lila Lofberg, who tended a small diversion dam for the Southern California Edison company. Ted, dapper and lively, was a Swedish soldier of fortune who among things had served with Pancho Villa in Mexico.

Lila, plain and motherly, was an early and ardent conservationist, the first of my acquaintance. Known as the "Bird Lady of Kernville," she was the recipient of all sorts of sick or injured birds from hummingbirds to baby owls. At one time she played nurse and mother to a great horned owl until he was fully grown into his

Please see **KERNVILLE** next page

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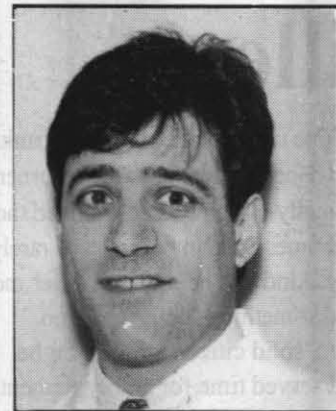
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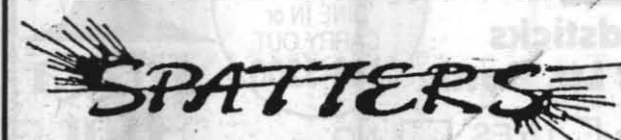


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KERNVILLE, from Page 7

awesome four foot wing spread. Although these owls are known to be vicious and of uncertain temperament, she never had any trouble with him. In fact, she said, he even took food from their hands and perched as near them as possible when he was allowed in the house. When she set him free she was sure she would never see him again. But he came back twice, the second time to introduce his very nervous mate, and then he disappeared for good.

One of the loveliest events of the time we spent in Kernville was due, in part, to an old Kernville family, the Browns. They had the largest and most attractive house in town and they opened their spring garden to us for the wedding of Connie Laird and Ensign Bob Anderson.

The spotless, white dress uniforms of the Navy outshone everything but the radiant faces of the bride and groom. Among the civilian guests were the family of the groom, Mrs. Brown, Judge Ardis Walker and his wife, and a number of other local people who tied the event to a place where we were beginning to feel at home.

Enveloped in the romantic scent of the lilacs we watched beautiful, blonde Connie wed her slender young Ensign. Captain Burroughs gave the bride away, my husband, Pitt, was the best man, I stood in for the mother-of-the-bride, and a chaplain from the Marine Corps Air Station in Mojave performed the ceremony.

We had what were true luxuries at that time of sugar rationing — a homemade, traditional, three-tier wedding cake and two other cakes as well. These, with punch in two big white kettles, disguised by crepe paper as proper bowls, made up our refreshments.

It was a no-nonsense, no furbelows wedding by any standards, but it was the first day of a marriage that lasted forty-seven years.

Last Christmas we had a letter from Connie. We knew that Bob had died in May, 1991. She was remembering in her letter the beginning of it all so many years ago.

She wrote, "These last months I've thought a lot about the early days at NOTS and how precious they were, though we didn't know it then."

She was right, we didn't know it then. But I think that for me the process of learning to recognize even an instant of happiness while you had it started then, when everything could be turned upside down by the flick of a pen in Washington or the sinking of a ship in the Pacific.

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Navy safety experts provide advice for preventing Christmas tree fires

WASHINGTON (NES)—To keep your Christmas tree fresh and fire resistant throughout the holiday season, it is important that you give it proper care as soon as you buy it.

1. If the tree must travel a long distance, protect the tree from the drying wind by placing it either in the trunk of the car or in the back of a station wagon. If the tree must be tied on top of the car, first wrap it with cloth or plastic. The wind created by a moving vehicle will cause excessive drying of the needles.

2. As soon as you get the tree home, cut one inch off the base of the stem and place the tree in a clean pail of warm water. Next place the tree in a cool, shaded area protected from wind and sun.

3. Spray the tree thoroughly with products designed to retard pine needle drying and loss (available at most garden centers) following the manufacturers' recommendations.

4. Before bringing the tree indoors, cut another inch from the base of the stem and place the tree in a stand designed to hold water. If a standard Christmas tree stand is not available, place the tree in a pail full of clean sand to which water can be added.

5. A fresh cut Christmas tree can be kept relatively fire safe by making certain that the stand always has an ample supply of clean water. If the tree stand is galvanized, the zinc in the coating will help prevent bacteria and fungi growth in the water. If the tree stand is made of plastic or painted metal, add 1 tablespoon of household bleach per gallon of water, or use commercial floral preservative as directed by the manufacturer. Keeping the water free of micro-organisms that clog the microscopic tubes in the tree trunk is most important in keeping trees fresh after they are brought indoors.

Proper care of your Christmas tree has its rewards, the greatest being that the tree dries more slowly. Dropped pine needles from an overly dried tree are a nuisance to clean up, can stain carpeting and clog vacuum cleaners. Dried out trees are a fire hazard, especially when decorated with lights. And a properly cared for tree will retain its beauty over a longer period of time, increasing your enjoyment.

DRMO readies surplus auction for Dec. 8

Local Auction 41-3009 of surplus government property will be held by the Defense Reutilization and Marketing Office at China Lake on Tuesday, Dec. 8. The auction will begin at 9 a.m. in Building 1073, Warehouse 41. For an auction catalog, contact Phyllis at Building 1073, Code 97, 939-2502 or 2538.

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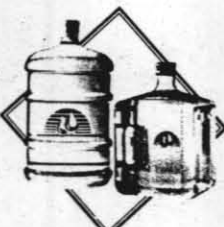
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Traffic Safety seminar could save a life - yours

By Dena Christison
Safety Office

Last reminder — don't miss this year's Holiday Traffic Safety Seminar to be held on Monday Dec. 7. Two shows will be presented at the Naval Air Weapons Station China Lake Theatre. The first one will be running from 10-11:30 a.m., while the second will be from 1-2:30 p.m.

It is reasonable to assume that during the holidays many of us become preoccupied with thinking about travel plans, leave dates, airline reservations, holiday shopping, parties, relatives coming in from out of town, etc., and basic traffic safety considerations may be overlooked. In conjunction with the decrease in safety consciousness and the increase in traffic on our roadways, there is also an increase in the number of motor vehicle accidents. Don't let the holiday festivities turn into tragedy from a motor vehicle mishap. Here's a chance to brush up on the traffic safety basics.

Presenting this year's traffic safety seminar, we are pleased to have Mr. Bill Velez who is the president of a Whittier, Calif., company called Trukspect, Inc. Trukspect, Inc. is a safety consulting firm specializing in Driver Improvement Training. They are endorsed by the National Safety Council, and have presented many seminars on traffic safety to companies throughout California. The focus of the seminar will be to remind us all of many basic traffic safety considerations that we often take for granted and/or overlook. Driving under the influence of alcohol, seat belt safety, and preparing your vehicle for long road trips during the winter months, are just a few of the topics that will be highlighted.

We want you to have a enjoyable holiday season. Whether traveling a long distance to visit friends or family, or just heading to some nearby cities for holiday shopping, traffic safety can never be under emphasized. Attend this valuable seminar, and bring a friend or family member to enjoy it with you. Mark your calendar! For more information, contact the Safety Office at 939-2314 or 2315.

Have a safe holiday season!



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CERRO COSO COMMUNITY COLLEGE

Vamps rock the Nads in Week 7 Adult Flag Football competition

By Carl J. Norland
Sports Correspondent

It was an abbreviated schedule last week in the Naval Air Warfare Station China Lake adult flag football league due to the Thanksgiving holiday. Only six teams were in action during the week. In the feature game of the week, the "Vamps" defeated the "Nads" 32-20 in a close, intense battle.

The "Vamps" outduelled the "Nads" in a well-played game that was nip and tuck throughout the contest. Two touchdown passes by quarterback Pete Purcell to Dustin Miller, in the first half, got the "Vamps" off to a fast start. The "Nads" answered with a scoring toss from Larry Cook to Dave Cox to cut the margin to 12-6. But the "Vamps" pushed the lead back up to 12 just before the half on a Purcell to James Williams scoring strike.

In the third quarter, the "Nads"

quickly cut the lead to just four points when Cook ran for a touchdown and passed for a conversion to Bill Brannon. However, the "Vamps" Darryl Alexander ran the ensuing kick-off back for a touchdown, building the lead immediately back to 10 points at 24-14.

In the fourth quarter, the "Nads" again cut the lead to four when Cook hit Cox with another touchdown pass. But the defense dug in for the "Vamps" from there on in, and when Matt Schwartz sacked Cook in the end zone for a safety, the lead was stretched to 26-20. The "Vamps" tacked on one more touchdown on the game's final play when Purcell hit Rafael Otero with a scoring toss to reach the final 32-20 margin.

In the week's other games, the "Mad Dogs" beat "ASF" 20-2, while "Night Attack" overcame "Fine Line" 14-6. Play will resume this week with a full slate of games.

Rocketeer ends 1992 with December 17 issue

December 17 is the last *Rocketeer* issue for 1992. Deadline to submit articles for this paper is Dec. 11.

The *Rocketeer* will resume publication on Jan. 7. Submission of articles must occur by close of business Dec. 30, as Dec. 31 reflects a "flex" day and Jan. 1 is a holiday.

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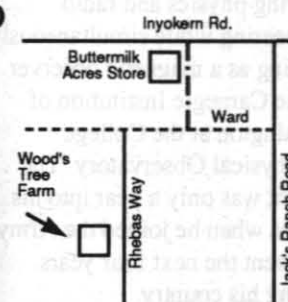
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DATA RECOVERY EXPERTS!

Pierre Saint-Amand

By Kristine L. Roquemore, Technical Information Department

Editor's note: As promised in the legitimate portion of the April Fools Edition, we now present the first of a series on retired geophysicist Dr. Pierre Saint-Amand. This is the second of an occasional series of retired China Lakers.)

So how does a former Naval Weapons Center geophysicist, a man who once ruled Mother Nature with an iron fist, spend his blissful days of retirement? For Pierre Saint-Amand, the extended vacation offers the opportunity to continue his scientific endeavors. After all, Mother Nature keeps whipping up exciting things for him to investigate. Like the recent 7.2 earthquake in Landers, California and the 6.5 in Big Bear. Today, the same boyish inquisitive spirit drives his perpetual need to find out just what makes Mother Nature tick.

"Old timers" here need not be reminded of Dr. Pierre Saint-Amand, former head of NWC's Research Department's Earth and Planetary Sciences Division, who

for nearly 40 years, was one of the driving forces in the scientific and intellectual achievements at NOTS and NWC.

It's hard to forget a man who took on Mother Nature single-handedly almost every day of his career. Saint-Amand is what one might affectionately call the "mad scientist." He dared to go where no ordinary scientist wanted to go. Like straight into the eye of a hurricane. Into the thrust fault of a major earthquake. To the top of an exploding volcano. And, Pierre could cloud seed...in other words...he could make it rain.

Those who know the geophysicist may recall he was a recipient of the Navy's highest civilian award, the Distinguished Civilian Service Medal, for his superb leadership while pioneering a series of successful and vital experiments in tactical weather modification—later revealed as Project Popeye. He also received the Navy Meritorious Civilian Service Award, the L.T.E. Thompson award, and a host of other honors and awards from groups

as diverse as the Federal Executive Board, Weather Modification Association, Philippine Air Force, and Sociedad Geologica de Chile.

Pierre Saint-Amand's story begins in the great state of Alaska. As a young man, he worked in prospecting, mining, surveying, radio operation, aircraft maintenance, and was also a co-pilot and flight mechanic for several bush flyers.

In 1941, Saint-Amand started his educational quest at the University of Alaska, Fairbanks, studying physics and radio engineering while simultaneously working as a magnetic observer for the Carnegie Institution of Washington at the College Geophysical Observatory. The student was only a year into his studies when he joined the Army and spent the next four years serving his country.

After the war, he went back to science, pursuing a degree in physics and electrical engineering while working in the college geophysical observatory conducting research in ionosphere studies, magnetic fields, polar aurora, and seismology.

Saint-Amand left Alaska in 1949 for the California Institute of Technology in Pasadena. In 1950, he began part-time work at the Pasadena annex of the Naval Ordnance Test Station doing research on the light of the night sky.

The geophysicist received his M.S. in geophysics and his Ph.D.

in geophysics and geology the California Institute of Technology. After receiving his degrees, Saint-Amand moved to NOTS, China Lake, continuing his research.

Kern County felt the earth rock and roll in 1952. And, Pierre Saint-Amand was right there in the thick of it, with Dr. J.P. Buwalda, making field studies of the mighty magnitude 7.7 earthquake.

In July 1954, Saint-Amand received a Fulbright Research Grant to the Institute d'Astrophysique in Paris, where he continued work on light from the night sky. After completing this research, he took advantage of the excellent library facilities in Paris and finished another paper on the structural geology of Alaska. Pierre and his wife, Marie, spent an entire year in the beautiful city.

Saint-Amand returned to China Lake and was placed in charge of the Optics Branch of the Research Department where he continued research into the light of the night sky and polar aurora in visible and infra-red portions of the spectrum.

In 1958, the geophysicist, while on leave from China Lake, moved to Chile to help organize a new school of geology at the University of Chile. He assisted the Instituto de Investigaciones Geologicas and the Chilean Geological Survey in studying the ground water geology in the Salar de Atacama and making gravity surveys there and near Concepcion. He also outlined the Atacama Fault Zone and did extensive field work in the Atacama Desert, the Andes, and southern Chile.

Saint-Amand got the opportunity to dance with Mother Nature first-hand when Chile experienced two earthquakes, both magnitude 8.5, within one minute of each other, in May of 1960. Representing both the U.S. and Chilean governments, he conducted field examinations, determined the relief efforts needed, and organized initial investigations following the shake-up.

His expertise was then requested by the United Nations and the Fabricaciones Militares to help organize a mineral survey and a mineral search of the Argentine Andes. This later became a special project of the United Nations.

In 1961, the adventurous scientist returned to NOTS where his branch had grown into a division and expanded to include the oceanographic division. The group's products were incredibly diverse, ranging from a seismic profiling of the Indian Wells Valley to submarine profiling off the Californian, Alaskan, and Chilean coasts.

Saint-Amand was called back to Chile in 1965 as a consultant to the Organization of American States. He set up a Chilean Commission on study and amelioration of geologic hazards. He served as a member of the California Governor's commission on Geologic Hazards and on the special panel on Latin America of President Kennedy's Science Advisory Committee.

Over time, funding for research peripheral to the main interests of the Navy became scarce and Saint-Amand's group became deeply involved in weather modification. All other areas of research were dropped. Then, much to the dismay of Mother Nature, the scientist and his group perfected cloud-seeding devices and techniques that enabled them to make rain. Hence, Saint-Amand was dubbed...The Rainmaker.

Just imagine the exhilaration of being a scientist able to outsmart the almighty Mother Nature.

There were many benefits as well. Humanitarian ones.

Saint-Amand led drought relief expeditions to India, the Philippines, and Okinawa. He advised the Rhodesian, Taiwanese, and Chilean governments in similar efforts.

Cloud seeding became important to the U.S. military during the Vietnam conflict as an operational experiment called Project Popeye. In 1966, the Department of Defense requested the aid of Saint-Amand and his researchers to make rain over the Ho Chi Minh Trail, a plan designed to prevent infiltrators from getting through. And, it worked! Saint-Amand received the Navy Distinguished Civilian Service Award from the Secretary of the Navy for his valiant efforts in the project.

What finally happened to Pierre Saint-Amand and the Earth and Planetary Sciences Division? After they had put all their efforts into weather modification, Congress decided to pull the plug on such research. They decided the Navy shouldn't be tampering with Mother Nature. This basically pulled the charter out from under Saint-Amand's feet. The researchers of the group gradually went in different directions, the funding went away, and the great scientist retired.

But, his legend and work live on.

It lives in the vast body of scientific and scholarly publications and patents that Pierre created, in fields ranging from atmospheric sciences to geology. His work continues to be cited as source material today in a wide range of scientific investigations. Saint-Amand's biographical sketches can be found in *Who's Who, Who's Who in Science, Who's Who in the World, Who's Who in Technology Today, Who's Who in California, Who's Who in Government, Who's Who in the West, Who's Who in World Aviation, Who's Who in Frontiers of Science and Technology, Movers and Shakers of Kern County, American Men and Women of Science*, and Britain's *BlueBook*.

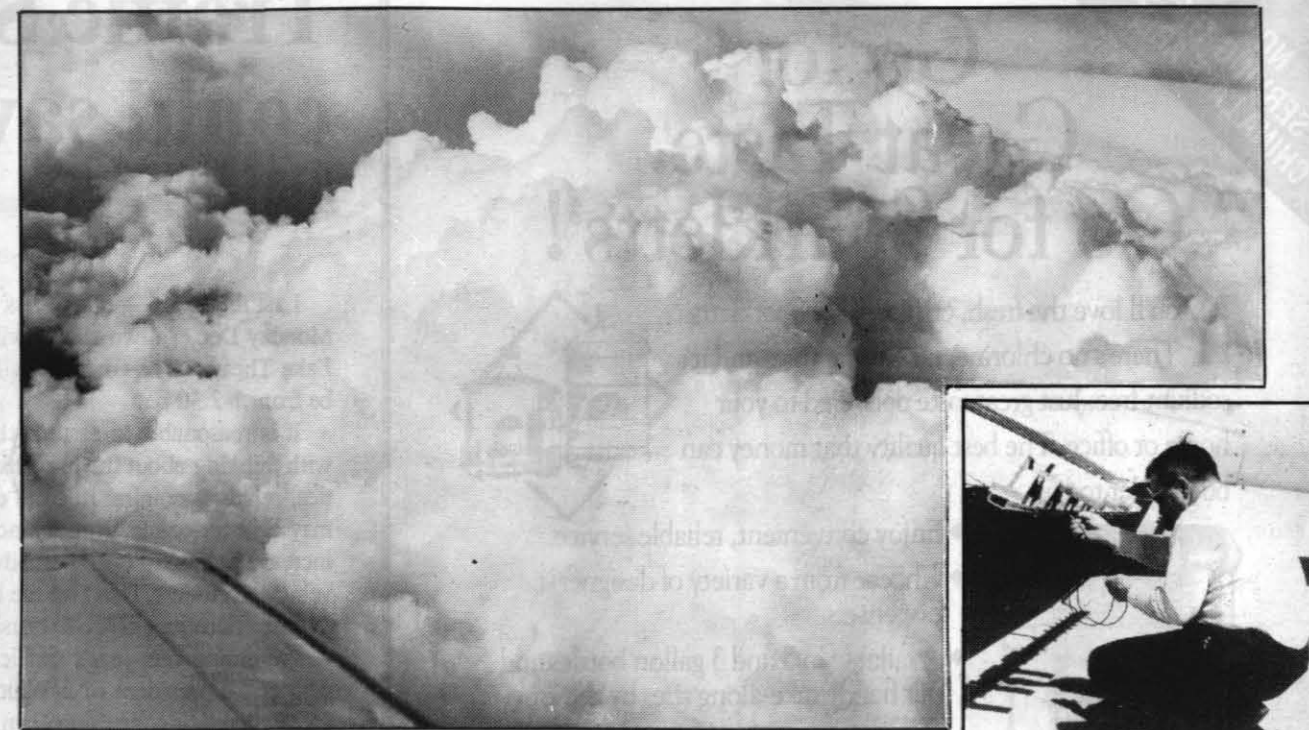
The legend lives in his continuing contributions to the local community, in areas as diverse as the Indian Wells Valley Airport Board to the Ridgecrest Community Hospital Board.

Most importantly, Pierre's legend lives in the continuing inspiration it provides to a generation of scientists, many now internationally respected leaders in their fields, who worked for him. Through their association with Pierre, these men and women absorbed his enthusiasm; his love of science; his attitude of support, compassion, and discipline toward his employees; and his courage to do the right thing, regardless of its popularity.

I met with Pierre Saint-Amand at his home in Ridgecrest. The home Saint-Amand engineered and built. I found him to be very focused, rather passionate and given to occasional speechifying. But, he was also gregarious, a delightful storyteller and pleased to laugh at himself. In fact, he seems just pleased, period.

ROCKETEER: Since your retirement, how have you managed to spend your time?

SAINT-AMAND: Engineering and building my house. Writing papers. Conducting seismic safety and ground water studies. Writing a manuscript. Flying anything with wings and wheels. Writing newspaper articles. Investigating earthquakes. Writing more articles. Oh, and landscaping my front yard...Not much!



RAINMAKER—In April 1965 Dr. Pierre Saint-Amand was involved in cloud seeding to create rain. Large photo was shot from a project AT-6, and in the inset, Saint-Amand checks the circuits on pyrotechnic cloud-seeding devices.

ROCKETEER: Will you elaborate on your studies of recent earthquakes first?

SAINT-AMAND: My son, David, and I drove up with some people from the Bureau of Land Management to Landers and examined the faults and damage to the buildings.

ROCKETEER: What was your opinion of the earthquake?

SAINT-AMAND: For all of the fault rupture, it wasn't much of an earthquake. The damage done to buildings was trivially small in comparison to what I had anticipated. Even near the fault lines there were a number of mobile homes and trailers on spindly foundations that never failed. And, apart from the fact that it offset a bunch of fences, it didn't seem to hurt the building much. That is very surprising. Forty miles of fault rupture should have had a magnitude of 7.75 with wide spread damage over an area of forty miles long by ten miles wide. But, there wasn't!

ROCKETEER: What about your consulting firm?

SAINT-AMAND: A lot of my time is spent on my consulting firm. David and I run the firm. We examine property for people to make sure there are no geologic hazards present and then we tell them what to expect in the way of earthquakes.

Then a large part of our work involves finding water for people. We evaluate the ground water possibilities and tell them where their going to have to get it from, how much they can expect, and how long it's going to last. In February of this year we finished a complete study for California City. And, we were able to tell them not only how much they had, but where the best water was and what kind of a pumping pattern they should employ to extend the supply as long as possible. We've done similar studies for two or three dozen large developments in the desert.

ROCKETEER: And you designed and built your house?

SAINT-AMAND: We [Pierre and his wife, Marie] did that in our spare time! It's been designed to match the climate here. That's another totally different story. The

house is self-convecting. We use the heat in the attic and in the atrium to warm the air so it will rise and then we exhaust it out to the north side of the house where the wind doesn't blow. Fresh air gets sucked in through an evaporative cooler. The interior, even without the air conditioners, stays at about 20°F cooler than the outside air temperature in the summer because the walls were constructed so thickly. The total electrical bill for this whole house...heating, cooking, water...is a total of \$150 a month for 5,000 square feet.

The design is typical of Mediterranean houses. In fact, I took the design from one of Atruvius' books of architecture. I took the basic idea anyway. They've been using self-heating, self-cooling houses like this in the Mediterranean for thousands of years. All the older houses in Greece and Pompeii were built like this. It makes a big difference.

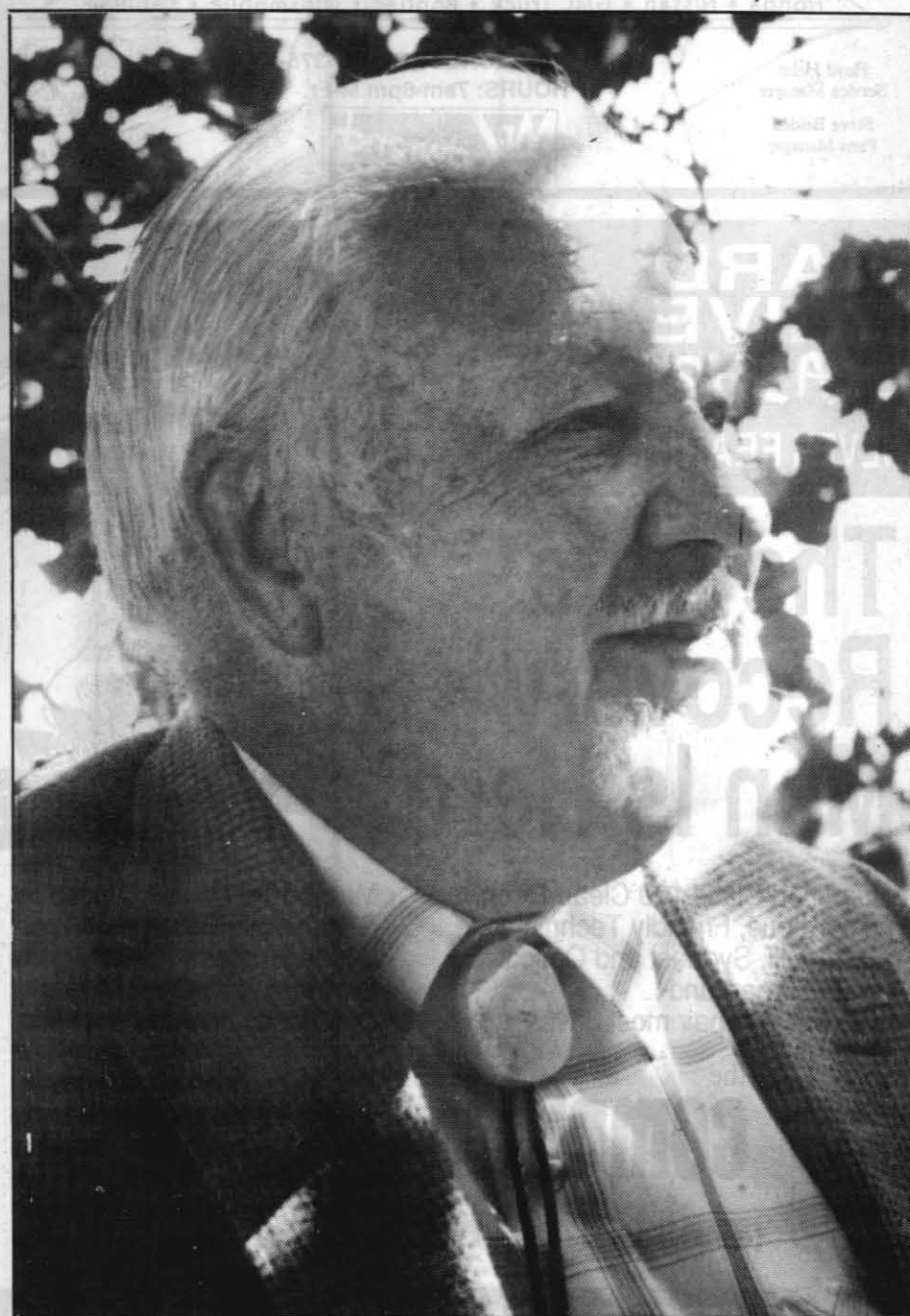
ROCKETEER: What literature are you working on?

SAINT-AMAND: I just finished a very complicated paper on the origin of the nitrate deposits in California. The history of the deposits and how they were formed. And, then I'm finishing up one on the origin of the nitrate deposits in Chile, which I'm going to do with Dr. Hunveto Fuenzalida, a Chilean professor. He is the son of the man who was the director of the geology school when Marie and I were in Chile. And, Hunveto got into atmospheric physics, largely because I got him excited about it. So, now he is the school's atmospheric physicist and has been studying the coastal fogs. Through our findings I've been able to demonstrate that the nitrate deposits in Chile were deposited by the fog. He's going to do some more coastal fog experiments and I'm looking forward to that.

ROCKETEER: Does this mean you're going back to Chile?

SAINT-AMAND: If I can figure out how to finance it I will!

The interview continues next week with Saint-Amand's reflections on NOTS and NWC. Part 2 will include interviews focusing on Saint-Amand, The Teacher, with reflections from Dr. Glenn Roquemore, former NWC geologist, and Dr. Dan Gillespie, NAWCWPNS mathematician.



Dr. Pierre Saint-Amand

PERSONNEL NEWS

PROMOTIONAL OPPORTUNITIES

Applications for positions listed below are being accepted from Department of Navy Employees currently stationed at NAWC, China Lake and from eligible employees of attached activities who are permanently assigned to the China Lake site. This group includes employees with career or career conditional appointments, employees with permanent Veterans Readjustment Act (VRA) appointments; temporary employees with reinstatement eligibility; and handicapped employees with Sch.(A) continuing appointments. Also included are spouses, with competitive status, of civilian sponsors hired by a DOD activity within China Lake's commuting area. Applications from other groups will be accepted when specified in advertisements listed herein. Vacancies are subject to restrictions imposed by the DOD Priority Placement Program. Applicants must meet all legal and regulatory requirements, including minimum qualifications, by the closing date of the advertisement. Evaluation of applicants' qualifications will involve using at least two assessment measures. Assessment measures are work experience, annual performance assessment rating and narrative, education, training, and awards.

Eligible spouses, of military sponsors, with competitive employment status or eligibility under E.O. 12362, must register in the DOD Priority Placement Program to be eligible for spousal preference. Those enrolled in this program will automatically receive consideration for employment on vacancies for which they qualified. For initial employment information, career counseling and enrollment, call 939-3317 for an appointment.

HOW TO APPLY: Submit the following: a current application, SF-171 or other Human Resources Department pre-approved form, a copy of your most recent annual performance assessment narrative (note: a copy of your performance plan should be attached if the annual performance narrative does not clearly state the task/duties performed); and a completed Background Survey Questionnaire. A supplemental narrative which relates your qualifications to each knowledge, skill, or ability (KSAs) as cited in the advertisement is highly recommended and may be required if stated in the vacancy announcement. Write the title, series, level (grade), and announcement number on all application materials. Not submitting the annual performance narrative may adversely affect your evaluation score. Prior to submitting your application, complete Cover Sheet Form 123352, available at the reception desk. Make sure your address, phone number, etc., are current, correct and that all forms are complete and accurate. If any of this information is missing, your qualifications may not be fully and completely related. Additional information cannot be submitted after the closing date of the announcement. A current date and signature on the last page completes the application. Civilian Spousal Program Eligibles with competitive status must submit a copy of their sponsor's PCS orders with each application in order to be considered for Merit Promotion vacancies which do not state that status eligibles may apply.

Application materials are accepted, and blank forms are available, at the Reception Desk, Room 100, Human Resources Department, 505 Blandy. Announcements close at 4:30 p.m. on Thursday, one week after the opening date of the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. Copies of Applications may be submitted since application announcement file and cannot be returned. The Naval Air Warfare Center, Weapons Division is an Equal Opportunity Employer; selections are made without discrimination for any non-merit reason.

NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS

Any applicant tentatively selected for one of these positions will be required to submit to urinalysis to detect illegal use of drugs prior to a final selection. Final selection is contingent upon a negative drug test result and thereafter the selectee will be subject to drug testing as the incumbent of a Testing Designated Position (TDP). Further, all Department of the Navy employees may be subject to drug testing under certain circumstances such as reasonable suspicion and after an accident. All individuals will have the opportunity to submit medical documentation that may support the legitimate use of a specific drug to a Medical Review Officer. An applicant's test results will be provided to the selecting official and servicing Civilian Personnel Office before a final selection is made. A verified positive drug test of a current Department of the Navy employee will also be provided to the employing activity/command. (NAWPCENINST 12792.2, 14 Dec 90).

MERIT PROMOTION

No. 031-TS-92, Supervisory Interdisciplinary, (General/Mechanical/Electrical/Computer/Electronics/ Aerospace Engineer/Physicist/Mathematician), DP/GM-0801/0830/0850/0854/0855/0861/1310/1520-3/4/13/14, Naval Air Warfare Center Weapons Division, Pt. Mugu, Aircraft Weapons System Directorate, Aircraft Weapons Integration Department, (Fighter Integration and Evaluation Division), Code P2252 — The incumbent translates broad areas of responsibility into specific subprojects, experiments, and studies within the branch. Applies conventional concepts and theories in technical areas to define scope of the tasks, policies that will apply, and techniques and criteria to be used. Determines source of conflicting technical results, detects and analyzes trends, and resolves anomalies in project progress. Keeps abreast of all developments in related weapons systems. Directs, leads, assigns, organizes, and plans work on an organizational level. Responsible for training personnel in the technical aspects of missile weapons systems test and evaluation. Incumbent is the branch head and provides supervision of project pilots, engineering, and nonprofessional personnel in performing mission objectives. Plans both immediate and long-range workload of the branch; defines support requirements of service organizations; establishes program and production goals; and develops cost and budget forecasts. The incumbent is responsible for carrying out EEO policies and communicating support of the policies to subordinates. The incumbent will participate fully in the development of an EEO Affirmative Action Plan and cooperate in efforts regarding staffing, motivation, and training to develop all employees. **QUALITY-RANKING FACTOR:** Knowledge of tactical aircraft combat systems test and evaluation. This includes laboratory and flight testing of EO/IR/RF sensors, air-launched weapons, mission avionics, and aircraft tactical software. Ability to perform first-line supervision and coordinate technical efforts of project teams. May be required to serve a 1-year probationary period. Applications may be submitted to China Lake's Human Resources Department, Room 100, NLT 1700 of the closing date or may be sent directly to the Human Resources Department, Naval Air Warfare Center, Weapons Division, ATTN: Terry Smith, Point Mugu, CA, 93402-5002. Mailed applications must be postmarked NLT the closing date.

Point of contact is Terry Smith, AV 351-3322. Permanent Change of Duty Station (PCS) is not authorized. This ad opened 19 November and closes 10 December.

No. 25-003 Supervisory Logistics Management Specialist, DP-0346-3, Code C2623 (multi-site branch) — This position is that of Head, Acquisition Logistics Branch, Weapons Logistics Division, In-Service Engineering Department. The branch provides commodity logistics engineering support management, supply support and provisioning technical documentation services, maintenance planning, and conducts in-depth logistics support analysis for Navy, Air Force, Army, and FMS programs and projects under cognizance of NAWCWPNS. As Branch Head, the incumbent is responsible for management, supervision, administration, and leadership of the branch, and for significant technical direction. The position is located at China Lake and requires extensive travel to oversee branch workload and personnel at both the China Lake and Point Mugu sites. Extensive experience in the DOD acquisition process and ILS acquisition requirements is highly desirable. **Job-Relevant Criteria:** Knowledge of DOD acquisition process and ILS acquisition requirements; knowledge and understanding of supply support, logistics support analysis, and maintenance planning for multiservice airborne weapon systems and related equipment; knowledge of personnel policies and procedures; knowledge of Affirmative Action principles including a willingness to implement EEO practices; ability to interface effectively with all levels of management, multiservice sponsors, and contractors; ability to perform as a first-line supervisor; ability to communicate effectively both orally and in writing. Incumbent may have to serve a 1-year probationary period for supervisors. This ad closes on 7 December.

No. 39-001, Electronics Engineer, DP-855-1, Code C3922 — This position is in the Systems Engineering Section of the Telemetry Technology Branch, Telemetry Division, Threat Telemetry and Instrumentation Systems Department. Incumbent will be responsible for the engineering design, development, and specification of various airborne instrumentation (digital and analog) systems, equipment, and components

for electrical measurements, timing, recording, control, and communication necessary to meet the data and operational test requirements of various missile and bomb programs. **Job-Relevant Criteria:** Knowledge of FM/FM, PAM, and PCM telemetry systems; knowledge of computers and microprocessors; knowledge of analog and digital design circuit design as well as electronic system design, development, test, and analysis of electronic circuitry and components; ability to communicate both orally and in writing. Must be able to obtain a Secret clearance. Full performance level is DP-3. Permanent Change of Duty Station (PCS) expenses are not authorized. This ad opened 25 November and closes on 9 December.

No. 86-002, Bowling Center Manager, DG-1101-3, Code C864 — This position is located in the Morale, Welfare, and Recreation Department, Sports Division, Bowling Branch. The incumbent is responsible for the overall operation of a 10-lane bowling center with AMF synthetic lanes and AMF 8270 pinspotters. The responsibilities include, but are not limited to, staff training and supervision, league coordination, proper collection and documentation of fees, as well as facility scheduling and reporting. **Job-Relevant Criteria:** Knowledge of the bowling industry; knowledge of Affirmative Action principles including a willingness to implement EEO practices; ability to relate well with people; ability to operate complex machinery; and the ability to supervise people. Incumbent may have to serve a 1-year probationary period for supervisors. No known promotion potential. This ad opens on 3 December and closes on 17 December.

No. C65-001, Supervisory Contract Specialist, DP-1102-3, Code C652 — This position is located in Procurement Division 2, NAWCWPNS Procurement Department. The incumbent will be located at the China Lake site. As Division Head, the incumbent is responsible for the management and supervision of division personnel, all of whom are located at the China Lake site. The division provides full-spectrum procurement support at the unlimited procurement authority level to the following NAWCWPNS organizations: Human Resources Department, Safety and Security Department, Weapons Planning Group, Ordnance Systems Department, Naval Ordnance Missile Test Station (NOMTS), and other offices including the China Lake-located command codes. The procurement actions planned, awarded, and administered by the division range from noncomplex simplified purchases to highly complicated contracts for weapons systems software, hardware development, engineering services, and others. **Job-Relevant Criteria:** Knowledge of leadership and management practices and demonstrated ability to apply this knowledge as the supervisor of a buying organization; knowledge of and demonstrated ability to apply principles and practices of total quality leadership to provide excellent customer service; knowledge of and demonstrated ability to apply the principles and practices required by the Federal Acquisition Regulations and supplements in providing procurement support to division customers; knowledge of Affirmative Action principles including a willingness to implement EEO practices. Full performance level is DP-3. May be required to serve a 1-year supervisory probationary period. Permanent Change of Duty Station (PCS) expenses are not authorized. This ad opened on 25 November and closes on 9 December.

REASSIGNMENT OPPORTUNITIES

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotion Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All applications must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

REASSIGNMENT COLUMN

No. 21-006, Interdisciplinary (Mechanical/Electrical/Aerospace Engineer/Physicist/Operations Research Analyst/Mathematician), DP-830/850/861/1310/1515/1520-2/3, Code C2181 — Multiple vacancies for experienced analysts exist in the Systems Effectiveness Branch, Survivability and Lethality Division, Aircraft Weapons Integration Department. The Division is building teams to support Cost and Operational Effectiveness Analyses (COEA), requirements analysis, and survivability analysis for AX, SH-60B, F/A-18 E/F, Medium Lift Replacement, JSOW, and other major systems acquisitions. The incumbents perform modeling, simulation, and analysis of missile endgame, missile flyout, radar detection, RF and IR signature prediction, countermeasures, and mission effectiveness analysis. Incumbents must be able to obtain and maintain a Top Secret clearance. Applicants tentatively selected to this position will be required to submit to urinalysis for illegal use of drugs prior to a final selection. See "Notice Regarding Drug Testing Designated Position" in "Promotional Opportunities" box. The full performance level of these positions is DP-3. Send an updated SF-171 to Tom Rindt, Code C2181, NAWCWPNS, ext. 939-3384. Permanent Change of Duty Station (PCS) is not authorized. This ad opens on 3 December and closes on 17 December.

SECRETARIAL OPPORTUNITIES

This column is used to announce secretary positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grades, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of the organization, its objectives and lines of communication. Depending on grade level, typical secretary duties are implied by the job relevant criteria indicated below. Applicants will be rated against four or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences. Unless otherwise indicated, applicants for branch secretary will be rated on elements 1/2/3/5/8; division secretary applicants will be rated on elements 1/2/3/4/7/8/9; Program Office secretary applicants will be rated on elements 1/2/3/4/5/8/9; and department secretary applications will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

SECRETARY COLUMN

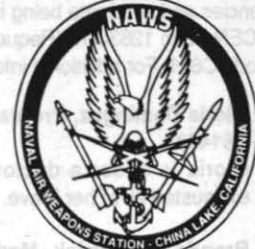
No. 32-005, Secretary (Typing), DG-318-1/2, Code C3232 — This position is located in the Engineering Support Branch, Instrumentation Systems Division, Range Department. The incumbent will provide secretarial support to the Branch Head and branch personnel. Knowledge and experience on the Macintosh is required. Proficiency on the following applications is desirable: Microsoft Word, FileMaker Pro, Fast Track, VersaTerm, PowerPoint, and Excel. Must be able to acquire and maintain a Secret clearance. Promotion potential to DG-2, but not guaranteed.

No. 61-004, SECRETARY (TYPING), DG-318-2/3, CODE C616 — This position is located in the Accounting Division. Incumbent provides secretarial support to the division and branch offices. This has been identified as a Defense Finance and Accounting Service (DFAS) position. Knowledge of and ability to use Macintosh II and related software is desirable. Promotion potential to DG-3, but is not guaranteed. This ad opens on 3 December and closes on 10 December. Previous applicants need not apply.



Naval Air Warfare Center Weapons Division Naval Air Weapons Station, China Lake Announcements

Submit items to: Code C6411: FAX 939-0945, Ellen Mahoney; or E-Mail to TID:ANC



FINAL ISSUE OF 1992 ANNOUNCEMENTS IS SCHEDULED FOR 17 DECEMBER

The last issue of the 1992 Announcements will be 17 December. The deadline to submit announcements is 14 December at 1500. Announcements will resume publication on 7 January. The deadline for that week will be Monday, 4 January at 1500. If you have any questions, call Ellen Mahoney at 927-3902. (Code C6411)

COMMUNITY CPR CLASS

The Safety Office, Code C8401, will be presenting an American Red Cross "Community Cardiopulmonary Resuscitation (CPR)" class on 15 December. This is an 8-hour course which covers CPR, artificial respiration, and dealing with a choking victim whether it is an adult, child, or infant.

China Lakers wishing to attend this "Community CPR" class should contact Dena Christison at 939-0729 or 939-2314 for phone registration or additional information regarding this class. Class size is limited, so call early to ensure your space in the class.

THRIFT SAVINGS PLAN (TSP) RATES OF RETURN

According to the latest TSP fact sheet, the rates of return for the three investment funds were

	C Fund	F Fund	G Fund
October	.42%	(1.30)%	.42%
Last 12 Months	10.12%	9.66%	7.33%
C Fund—Common Stock Index (Stocks)			
F Fund—Fixed Income Index (Bonds)			
G Fund—Government Securities			

DECNET ADDRESS CHANGE AT CHINA LAKE

On 17 December at 1700, DECNet routing will be enabled between Main Site (Mich Lab) and the Airfield (NAF). All computers on the China Lake corporate network using DECNet will be required to change their DECNet address or they will be unable to communicate with other China Lake DECNet devices. This is a relatively simple procedure for most computers but usually requires the system to be rebooted for the change to take place. **THIS CHANGE DOES NOT AFFECT THE NAME OF THE HOST MACHINE.** All system administrators of registered DECNet devices should have received information on this change in the Guard Mail. If you have not received this information or have further questions, contact Ron Smith at the Network Management Center, 939-6661. (Code C6311)

MICROFICHE READER-PRINTER AVAILABLE

Code C21025 has a 2-year-old MICRO COPY 10 microfiche reader-printer in good condition available. Call Linda at 939-5489. (Code C21025)

ORDNANCE SYSTEMS DEPARTMENT (C27) CHRISTMAS PARTY

The Ordnance Systems Department (C27) Christmas party is being held at the Seafarer Club on 12 December. A social hour will begin at 1830, dinner will be served at 1900, and dancing will begin at 2030. A dinner buffet will be served and will consist of baked chicken or roast beef, salad with choice of dressing, potato or rice, vegetable, rolls, butter, and coffee or tea at a cost of \$15.00 per person. Music will be provided by Sound Enterprises. Tickets may be purchased from Barbara Sorges (C27021), 939-7486, or Elaine Hooper (C27A), 939-7206. Tickets must be purchased by close of business 7 December. (Code C27)

GOVERNMENT-ISSUED CAR WASH TOKENS

Approximately 3,000 car wash tokens have been distributed by the Transportation Office. Of this number only about 100 are being used.

Please check to see if you have tokens in your desk drawer, inside the ashtray of a vehicle, or anywhere else and return them to your Department Transportation Representative. At the present time, the Transportation Office does not have any more tokens available for distribution.

Your cooperation with this will be greatly appreciated and remember, car wash tokens are to be used to wash government vehicles only. (Code C8309)

TEXAS INSTRUMENTS RF IR&D

Representatives from Texas Instruments will be at China Lake to present a RF Review briefing on 7 December in Mich Lab, Room 1000A from 1230 to 1700.

The topics will include Advanced Radar, Microwave Technology, Antennas, and Radomes. For further information or a complete agenda on the presentation, contact Gerry Peterson or Chuck Newmyer at 939-1074. (Code C0254)

WACOM LUNCHEON MEETING

The December WACOM luncheon meeting will be held at the Seafarer Club on Tuesday, 8 December, with a social period at 1100 and lunch at 1130. The meeting will feature the exciting singing duo of Robin Timm and Joe Dickey, who have appeared throughout the nation for corporations, conventions, and seminars. Robin and Joe bring with them a long list of television, theater, and film credits. Their humor, beautiful voices, and positive music will delight and inspire you. Members may make reservations by calling Eleanor Rockdale at 446-6925. (Code C86)

PEDIATRIC DOCTOR TO VISIT BRANCH MEDICAL CLINIC

Dr. Velasco, the pediatric doctor from the Naval Hospital at Long Beach, will be at the Branch Medical Clinic on 15 and 16 December to perform well baby checks on children 2 weeks to 2 years of age. To sched-

ule an appointment call 939-8004 or the appointment desk at 939-8000. (ADM)

ANNUAL HOLIDAY TRAFFIC SAFETY SEMINAR

With the holiday season approaching, many of you have probably begun planning for holiday travel. With the increase of traffic on the roadways during the holiday season there is also an increase in the number and severity of motor vehicle accidents. We all need to be especially safety-conscious during this time of year. Long tiring drives, adverse weather, holiday parties, disruption of normal routines, etc., can become a recipe for turning holiday festivities into tragic consequences. Annually, the Safety Office sponsors a "Holiday Traffic Safety Seminar" to enhance awareness of traffic safety and the increased risks we face on the road around the holiday season.

This year's "Holiday Traffic Safety Seminar" will be presented by Bill Velez, President of Trukspect, Inc., a safety consulting firm offering Driver Improvement Program to companies throughout California.

The "Holiday Traffic Safety Seminar" will be held on Monday, 7 December, at the Station Theatre. Show times are 1000-1130 and 1300-1430.

Attend this year's "Holiday Traffic Safety Seminar" and make safety part of your travel plans. China Lakers are encouraged to bring friends or family to this valuable seminar. For more information call the Safety Office at 939-2314 or 939-2315. (Code C8401)

B. W. HAYS AWARD LUNCHEON

The B. W. Hays Award was established by Code C25 to recognize Engineering Department employees who have made a significant contribution to the Center's mission in the area of production support.

The presentation of the fourth annual B. W. Hays Award and the Golden Ring Award will take place on Monday, 14 December, at

Farris' at the Heritage, 1130-1230. Guest of honor for this event is Burrell Hays, former NWC Technical Director.

The menu for this event is Italian sausage, lasagna, Italian rice, rotelli, zucchini squash, salad and garlic bread for \$8.50, which includes tax and gratuity. Tickets are available from Bonnie or Tammy, of the Engineering Department, Room 1066 or 1063. Tickets must be purchased by 11 December.

DOD NATIONAL MARROW DONOR DRIVE

There will be an opportunity for interested Civil Service employees, military personnel, and dependents of military personnel to become a part of the national marrow registry. If you are between the ages of 18 and 55 and in generally good health, you may have your blood drawn on 8 December. Your blood will be tissue typed and the results will be entered into the registry. All patients in need of a marrow transplant will be compared to those results. If a potential match is found, further blood testing is necessary before you are counseled about the possibility of your becoming a marrow donor.

For an appointment or additional information, call the Wellness Program Office, 939-2468.

NAWC CONFERENCE CENTER CLOSED

Beginning 10 October, the NAWC Conference Center (formerly CPO) will be closed for approximately 60 days while a new roof is being installed. Plans currently call for the facility to re-open on 14 December if there are no delays in the project. Employees wishing to reserve rooms at the Conference Center when the project is complete should call 939-3634 and leave a message on voice mail. Your call will be returned by someone from the Protocol Office as soon as possible. (Code C8101/C0806)

RETIREMENTS

DARRELL BYMOEN

Darrell Bymoen (Code C2942) retired on 2 December after 29 years of Federal service, 26 of which were served at China Lake. Darrell has worked on a variety of projects at China Lake including Swimmer Weapon Systems, Vertical Launch ASROC, Sidewinder AIM-9R, and Multi-Mission Propulsion Technology. A farewell party will be held on Friday, 8 January at 1730 at the Seafarer Club. A buffet dinner will be served at 1800 at a cost of \$11. For tickets, presentations, or gift donations contact Darla Siler at 939-1207/4571 or Max Moffitt at 939-4733 by 6 January. (Code C2942)

BERT NICCUM

Bert Niccum (Code C281) is retiring after 33 years of Federal service, 31 of which were served at China Lake. A retirement party in his honor will be held at John's Pizza on 10 December at 1100. For gift donations and reservations contact Debbie Neil at 939-3906. (Code C281)

HERB REYNOLDS

Herb Reynolds (Code C2623) is retiring after 18 years of Federal service. A farewell party in his honor will be held at Farris' at the Heritage on Tuesday, 15 December at 1900. A buffet will be served at a cost of \$12.50 per person, including tax and gratuity. For reservations, send checks payable to Farris' to Code C2623, 75 Parsons, Rooms 105 or 120 prior to 10 December. For presentations, gift donations, or information contact Edna at 927-

LEAVE DONORS NEEDED

The employees listed below have been approved as leave recipients under the Leave Transfer Program. These employees have exhausted annual and sick leave because of personal or medical emergencies and anticipate being in a leave without pay status for at least 80 hours. Employees who wish to help a leave recipient may donate annual leave to the employee by submitting a completed NAVWP-NCEN Form 12630/16 (Request to Donate Annual Leave to Leave Recipient). This form is available at Shop Store (Tel-Mart). A copy of your leave and earning statement is NOT required. Send your form to Code C621. For additional information please call Cindy Smith at 939-2018.

Gloria Dominguez, Program Analyst, Code C61403.

Gloria is under a doctor's care and has exhausted all of her leave.

Brenda Kirkpatrick, Medical Transcriber, Branch Medical Clinic (Long Beach), Code C2875.

Brenda's daughter was in a car accident and severely injured her foot and requires surgery and rehabilitation.

Anita Trenholm, Electronics Technician, Code C2875.

Anita is undergoing a total hysterectomy and is in need of leave.

Gary Bayless, Electrician, Code C8343.

Gary Bayless' son was critically injured in a motorcycle accident and Gary has exhausted his leave.

Marvin Kennedy, Electronics Technician, Code C3312.

Marvin Kennedy is undergoing surgery and is indebted for leave.

Leslie Brockwell, Electronics Technician, Code C3251.

Leslie Brockwell is indebted for leave for previous surgeries and is in need of another surgery.

Diane Richardson, Program Analyst, Code C2708.

Diane Richardson is undergoing foot surgery and will be home recovering. She is indebted for leave.

Teresa Clower, Computer Specialist, Code C8311.

Teresa Clower is indebted for leave to care for her husband who is undergoing numer-

ous nerve blocks and having surgery to implant a spinal cord stimulator.

Jesse Ray Lewis, Jr., Police Officer, Code C8413.

Jesse Ray Lewis, Jr., has been off work for several months as a result of back surgery and its complications.

Jan Slater, Security Assistant, Code C8433.

Jan Slater suffers from pseudotumor cerebri. She had brain shunt surgery to reduce brain swelling and will be home recovering.

Beth Schuchman, Payroll Clerk, Code C6153.

Beth Schuchman is indebted for leave to care for her infant son. He is undergoing continuous testing and intermittent hospitalization. She is a single parent.

Sharon Morgulec, Engineering Data Management Specialist, Code C25521.

Sharon Morgulec had surgery and has exhausted her leave.

Deborah A. Birch, Secretary, Code C392A.

Deborah A. Birch received treatment for breast cancer and is indebted for leave.

Alvina S. Quintanilla, Contract Specialist, Code C654.

Alvina S. Quintanilla is undergoing daily radiation therapy for inoperable cancer of the naso-pharynx.

Judy A. Eldredge, Code C6162.

Judy A. Eldredge is in need of leave to care for her 6-year-old son who is undergoing continuous treatment for acute lymphatic leukemia.

GOVERNMENT CONTRACT MANAGEMENT CLASS

X408.6: PROPOSAL PREPARATION AND NEW BUSINESS ACQUISITION (36 hrs.)

5 January-23 March; Tuesdays, 1700-2000; Training Center. By: Lloyd Crabtree, 927-1507, UCSB

Prerequisite: X408.1: Elements of Government Contract Administration or consent of instructor.

Intended Audience: Participants in the certificate program in Government Contract Management.

Course Objectives: Theory and techniques used by the government, major contractors, and subcontractors in bidding and acquiring new business. Includes such topics as: proposal evaluation, unsolicited proposals, source evaluation and selection, bid/no-bid decision, types of proposal cost management and the essential aspects of work statement development. For individuals in contract and pricing, program management, marketing, engineering, and manufacturing. Lectures and workshop cover the entire proposal preparation cycle.

Deadline: 24 December.

Enrollments are on a call-in basis. To enroll, call Denise at 939-2648.

SECURITY CLASS

SECURITY FOR SUPERVISORS (7 hrs.)

16 December; Wednesday, 0800-1600; Training Center. By: Linda Hall, Code C84301

All supervisors now have security as a critical element in their performance plans. This class addresses the supervisor's role in providing a security-conscious environment. Areas covered include communication security, information security, personnel security and badging, computer security, physical security, operation security, and security education.

Deadline: 7 December.

Note: Enrollments are on a call-in basis only (first-to-call, first-to-be-placed). To enroll, call Denise at 939-2648.

Enrollments are filled as first request received, first approved.

ANSI C PROGRAMMING (40 hrs.)

11-15 January; Monday-Friday, 0800-1600; Heritage Inn Flight Deck Room. By: Hewlett Packard

Prerequisites: Knowledge of a high-level programming language and of the basic command set and editor for a host operating system (MPE, RTE, or the UNIX system).

This course reviews all of the ANSI C programming language features, including ANSI C syntax, control flow, functions, pointer, structures, I/O, and standard library calls, including file I/O.

Deadline: 7 January

Enrollments are taken as first request received, first approved.

WORD, ADVANCED (16 hrs.)

19-20 January; Tuesday-Wednesday, 0800-1600; Training Center. By: Donnie Goettig, Consultant

Prerequisite: 6-months experience using Word 5.0.

In this course you will learn how to use the following:

with the latest practical skills in interviewing, allowing them time-saving techniques in evaluating a job applicant or a subordinate. Workshop participants will acquire interviewing techniques that allow (1) optimum, useful information for the supervisor in interviewing job applicants and subordinates; (2) effectiveness in these types of interviews: Job Application, Performance Evaluation, Disciplinary, and Exit; (3) establishment and maintenance of rapport in a climate of cooperation.

The class schedule will cover the following topics:

• How to prepare for the interview and design interview goals.

• How to manage the conversation.

• How to start and end smoothly.

• How to deal with difficult interviewees.

• How to cope with similarities and differences in a variety of interview types.

• How to evaluate the effectiveness of the interviews.

Note: Enrollments are on a call-in basis only (first-to-call, first-to-be-placed). To enroll or ask questions, call 939-2686.

SUPPORTIVE CONFRONTATION (16 hrs.)

14-15 December; Monday-Tuesday, 0800-1600; Training Center. By: Mary Ann Gallagher

Most people are concerned about initiating a confrontation for fear of the outcome maybe for fear of reprisal, for fear of hurting someone else's feelings, or for reluctance to take responsibility for making changes. The purpose of this workshop is to agree on a model for supportive confrontation and to practice skills necessary to carry it out. Participants will examine conditions necessary for supportively confronting someone else's behavior. Participants will discuss judgment, advice, and analysis of others. They will practice active listening, making observations and giving complete messages. They will discuss personal support they need for themselves around a confrontation they expect to make. The workshop will also touch on what participants can do if they unexpectedly find themselves being confronted.

Note: Enrollments are on a call-in basis only (first-to-call, first-to-be-placed). To enroll or ask questions, call 939-2686.

MS-DOS, BEGINNING (8 hrs.)

22 December; Tuesday, 0800-1600; Training Center. By: Daryl Vaughn, Code C622

Intended Audience: Beginning users of IBM-PC or Zenith-Compatible Microcomputers.

This course is designed to provide the novice computer user with a basic understanding of how DOS manages hardware and software components, controls system operation, and directs input and output to and from peripheral devices. It includes a survey of file-storage techniques, operations commands, command structure, and utilities. Participants will learn how to use MS-DOS internal and external commands such as format, copy, diskcopy, dir, and chkdsk.

Deadline: 8 December

Enrollments are filled as first request received, first approved.

MACINTOSH, SYSTEM 7 (8 hrs.)

21 January; Thursday, 0800-1600; Training Center. By: Kenneth LaBaw, Consultant

Prerequisite: At least 6-months experience with Macintosh System 6.

New features of System 7 will be explained, demonstrated, and related to the student's System 6 experience. The new desktop appearance coverage includes objects (icons), windows, hierarchical outlines, the new objects (aliases, stationary) and new features of the trash can. System commands and dialog boxes are explored and learned through hands-on exercises. Topical areas include the system folder, menu bar, multiple running applications, file sharing, publish and subscribe, memory, net courtesy, and security. As a bonus, QuickTime movies and custom icon creation will be demonstrated.

Deadline: 7 January

Enrollments are taken as first request received, first approved.

WORD, ADVANCED (16 hrs.)

19-20 January; Tuesday-Wednesday, 0800-1600; Training Center. By: Donnie Goettig, Consultant

Prerequisite: 6-months experience using Word 5.0.

In this course you will learn how to use the following:

1. Style sheets: automatic and custom, based on, next style, copying and pasting styles, linked styles, changing and editing styles.

2. Tables: multiple page tables, combining, merging and splitting cells, sorting in the table.

3. Advanced graphics: cropping, resizing, position command, flowing text around the graphic.

4. Indexes and custom menus

5. Advanced formatting

6. Tips and keyboard shortcuts

Presentation Method: Hands-on workshop.

Deadline: 5 January

Enrollments are taken as first request received, first approved.

GRAPHICS ON THE MACINTOSH (16 hrs.)

13-14 January; Wednesday-Thursday, 0800-1130; Training Center. By: Olivia Francis, OVF Graphics

Prerequisite: Basic knowledge of the Macintosh operating system.

In this course you will learn the difference between Paint, Pict, TIFF, and Postscript; the use of various graphic documents in an application; getting graphics into the Mac; using a paint and a draw program; using a postscript drawing editor; what to do with your graphics documents; and graphic format resolutions.

Presentation Method: Hands-on workshop.

Deadline: 30 December

Enrollments are filled as first request received, first approved.

MS-DOS, BEGINNING (8 hrs.)

13 January; Wednesday, 0800-1600; Training Center. By: Daryl Vaughn, Code C622

Intended Audience: Beginning users of IBM-PC or Zenith-compatible microcomputers.

This course is designed to provide the novice computer user with a basic understanding of how DOS manages hardware and software components, controls system operation, and directs input and output to and from peripheral devices. It includes a survey of file-storage techniques, operations commands, command structure, and utilities. Participants will learn how to use MS-DOS internal and external commands such as format, copy, diskcopy, dir, and chkdsk.

Deadline: 30 December

Enrollments are filled as first request received, first approved.

FILEMAKER PRO (16 hrs.)

11-12 January; Monday-Tuesday, 0800-1600; Training Center. By: Marjorie Hunter, Code C0231

Prerequisite: Basic Macintosh skills.

In this class you will receive an introduction to databases, learn how to create your own database, and gain experience working with information (adding, editing, omitting, etc.), and in layout formatting (field borders, viewing, drawing tools, moving, resizing, reshaping and aligning objects, etc.). You will also learn about auto-dates, field values, auto text, tab orders, buttons and scripts, and networking and passwords.

Presentation Method: Hands-on workshop.

Deadline: 28 December

Enrollments are taken as first request received, first approved.

ADA PROGRAMMING (40 hrs.)

4-8 January; Monday-Friday, 0800-1600; Training Center. By: John Francis, Code C2872

Prerequisite: The student must have a basic understanding of computer programming techniques.

This course provides an introduction to programming in the DOD standard language of Ada. The basic topics will include declaration of objects and types, control structures, data abstraction, Ada packages, generics, and an introduction to Ada tasking.

Software engineering principles of object-based/oriented design such as classes, derived classes and inheritance, overloading, and polymorphism, exception handling, and templates will be discussed as related to Ada.

There will be class projects and assignments. Some light outside work will be required.

Presentation Method: Hands-on workshop.

Deadline: 14 December

ATTITUDE MANAGEMENT (16 hrs.)

8-9 December; Tuesday, 0800-1600 and Wednesday, 0800-1130; Training Center. By: Carrolle Rushford

Growing workloads and decreasing staff are causing organizations to focus on getting work done through people. Such a setting is often stressful and can sometimes lead to a negative outcome if the appropriate communication techniques are not utilized. This requires an increasing need for good people skills: the ability to understand others and increase productivity by utilizing the maximum potential of each employee. Employee attitude and morale as well as individual talents must be considered in this kind of setting. Employees who have developed the skill to get along with others and take pride in their work are more productive and self-motivated.

This course is designed to provide skills for more effective communication; identify reasons why people react as they do; utilize appropriate communications techniques in stressful settings; understand personal and different work styles; gain cooperation and support from others; and utilize a holistic approach to work and working with others. It is an excellent course for all levels within the organization—managers, supervisors, and support staff. To enroll in this course, call 939-3159.

OFFICE ORIENTATION (16 hrs.)

4-5 January; Monday-Wednesday, 0800-1600; Training Center. By: LaNelle Thompson

This workshop will help any employee reach a high level of professionalism and productivity. Updated information follows guidelines set forth by the Professional Secretaries International. This class teaches each participant how to be an effective office manager and how to build clerical skills. There will be guidelines presented for courteous and successful communications on the job, as well as techniques for handling time, paperwork, telephones, and people. There will be lecture, group exercises, workbooks, visuals, and discussion groups. To enroll, call Pat at 939-3159.

PROFESSIONAL DEVELOPMENT FOR SUPPORT STAFF (16 hrs.)

11-12 January; Monday-Tuesday, 0800-1600; Training Center. By: Eve Cappello, Ph.D.

This is the only course of its kind to offer the ABC's of professionalism with emphasis on professional behavior, productivity, and performance. Strategies for career development, improving customer/employee relations, acquiring leadership skill, and achieving goals and climbing the corporate ladder are offered in this dynamic training program. This course offers a peak performance hands-on approach on how to think, act, write, and look like a pro, and also achieve credibility and get recognition with positive, professional behavior. To reserve your space in this workshop, call Pat at 939-3159.

The NAWCWPNS/NAWS Announcements, published by the Technical Information Department (Code C64), disseminates work-related information to all Center personnel and is distributed to all personnel in the Rockeater on Thursday. To ensure accuracy, all items must be submitted in writing, preferably double spaced, and must include a sponsor code and phone number. The collection deadline for submissions is 1500 Monday. The following pick-up points for material have been established for the convenience of contributors: Room 100, Training Building (Carol Corlett, Code C622); Room 1000, Mich Lab; Room 203, Administration Building (Linda Brantner, Code C6101); and Room 212, TID Building (Ellen Mahoney, Code C6411). Items may be sent to Code C6411, or by FAX to 939-0945, Code C6411, ATTN: Ellen Mahoney, or mailed electronically to TID:ANC via the VAX. Any questions regarding the Announcements may be directed to Ramona Bernard, Code C6411.



DESIGN & TEST TO MEET E3 REQUIREMENTS (24 hrs.)

8-10 December; Tuesday-Thursday, 0800-1600; Training Center. By: R & B Enterprises

This seminar is an explicit design and requirements seminar for project design engineers. Seminar material explains the sources of EMC requirements, their justification, and their interpretation. Specific design techniques are presented with rationale and objectives. Demonstration of testing procedures is included. This seminar is tailored for SPAWAR, NAVAIR, and NAVSEA audiences. Related activities include special orientation seminars on problems and uses of transient suppression devices.

To enroll call Dorothy at 939-2359.

UNDERSTANDING AND APPLYING MIL-STD-461C (8 hrs.)

11 December; Friday, 0800-1600; Training Center. By: R & B Enterprises

This seminar provides a summary of Navy instructions and the application of MIL-HDBK-237A. It includes pertinent definitions to facilitate the understanding of EMC technology and specific definitions pertaining to MIL-STD-461C. This seminar will also provide in-depth discussions of Part 1 of MIL-STD-461C, and either Part 2 or Part 5 (depending upon the audience).

To enroll call Dorothy at 939-2359.

HANDLING HOLIDAY STRESS (1 hr.)

7 December; Monday, 1030-1130; Training Center. By: Rita McCullough Stanley, Consultant

This class will explore factors contributing to holiday stress and offer practical suggestions for reducing holiday stress and enhancing holiday joys.

Enrollments are on a walk-in basis. Point of contact is the Wellness Program Office, 939-2468.

SYSTEMS ENGINEERING (20 hrs.)

16-18 February; Tuesday-Wednesday, 0800-1600 and Thursday, 0800-1130; Training

Unless otherwise noted, enroll in the following classes by submitting NAVWPNCEN 12410/73 (Rev. 12-88).

Request for On-Center Training, via department channels to Code C622.

(Code C622)

Center. By: Charles May, Consultant, and Bob Olson, Code C02A03

REQUIRED FOR ENROLLEES IN TMC OR SEC PROGRAMS.

This course provides an overview of systems engineering, addressing what is a system, why Systems Engineering is needed in the development or evolution of complex systems, what are the basic elements of the systems engineering process as it is implemented within the DOD acquisition structure, which engineering specialty areas interface with systems engineering, and how systems engineering interfaces with the engineering specialties to form an effective interdisciplinary team.

Deadline: 2 February.

SYSTEMS ENGINEERING SEMINAR (12 hrs.)

18-19 February; Thursday, 1230-1600 and Friday, 0800-1600; Training Center. By: Charles May, Consultant, and Bob Olson, Code C02A03

Intended Audience: TMC/SEC enrollees, aspiring Systems Engineers, and practicing Systems Engineers. This class is for individuals who want to obtain a working knowledge of the processes and tools available to the systems engineer for addressing the development of new complex systems and changes to existing complex systems.

This seminar will concentrate on systems engineering functions during need definition, concept exploration and definition, and demonstration and validation phases, as well as systems engineering functions in preparation for a major system modification.

Deadline: 2 February.

INTRODUCTION TO SUPERVISION (40 hrs.)

7-11 December; Monday-Friday, 0800-1600; Training Center. By: Donna Eller Jones

Intended Audience: Supervisory personnel only.

This course is required for first-level supervisors needing training in basic supervisory ideas.

The class, organized into the management functions of planning, organizing, directing, and controlling, will provide fundamental grounding in practical modern concepts of supervision. Topics to be covered are introduction, leadership, planning and organizing, problem solving and decision making, motivation, communication, resolving interpersonal conflicts, delegation, NAWC/NAWS personnel management, and a workshop summary.

Note: Enrollments are on a call-in basis only (first-to-call, first-to-be-placed). To enroll or ask questions, call 939-2686.

TEAM PROBLEM SOLVING TOOLS (8 hrs.)

8 December; Tuesday, 0745-1615 (note the unusual time); Training Center. By: Bob Huey, Code C84

Intended Audience: Employees currently (or scheduled to be) involved in Team Problem Solving in CIATS, TIS, PITS, PATS, Quality Circles, Teams, Committees, Quality Boards, etc.

Acting as a problem solving team, the participants will learn specific tools, practice their use, determine when and why to use certain tools, develop an understanding of the use of hard and soft data, and understand techniques used by facilitators, group leaders, or self-managed teams. Emphasis will be placed on USING brainstorming and NGT techniques, cause and effect diagramming, and multivoting; LEARNING about pareto charts, flow charts, scatter diagrams, why-because pursuit, force-field analysis, and other easy to apply tools; UNDERSTANDING when to apply each tool and APPLYING the tool appropriately. Members should bring a real problem to class so they can choose various tools and apply them to their issues.

Note: Enrollments are on a call-in basis only (first-to-call, first-to-be-placed). To enroll or ask questions, call 939-2686.

WRITING STATEMENTS OF WORK (8 hrs.)

17 December; Thursday, 0800-1600; Training Center. By: Mona Bonbright, Code C655

Intended Audience: Employees responsible for initiating a contract or delivery order.

Course Objective: To give the student practical and current guidance in writing Statements of Work for pending contracts or delivery orders.

Course Objective: The student will be given the latest government and NAWC guidelines in writing a Statement of Work (SOW). This course will help you to build your SOW writing skills through low-risk in-class exercises. Also, you will receive a current list of people in the Procurement Department available to provide you with personal assistance in the preparation of your SOW and the other documents which comprise the Acquisition Requirements Package (ARP). Information will also be provided on the advantages of using the newly developed ARP Team process.

Deadline: 7 December.

Note: Enrollments are on a call-in basis only (first-to-call, first-to-be-placed). To enroll, call Denise at 939-2648.

Enrollments are filled as first request received, first approved



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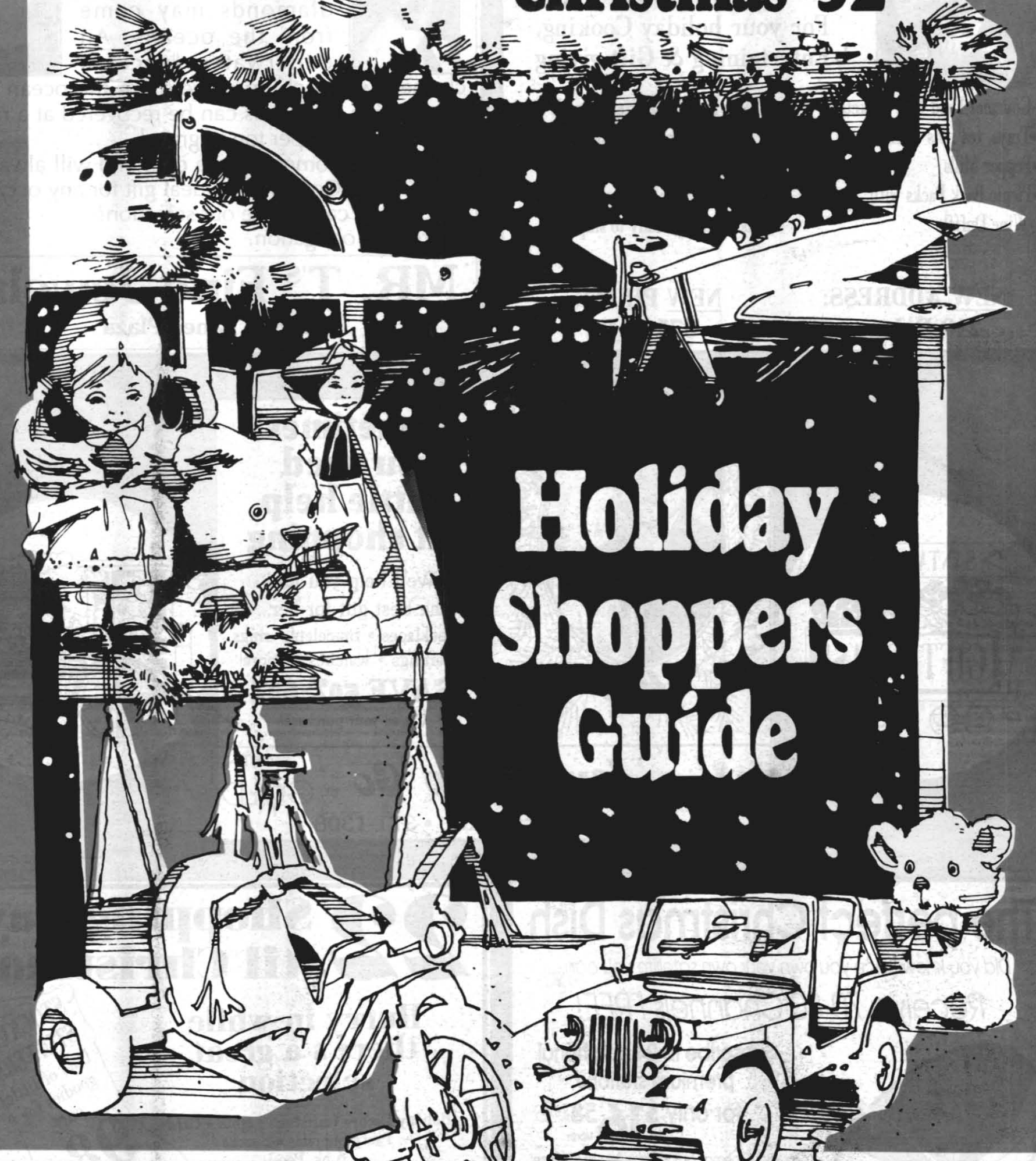
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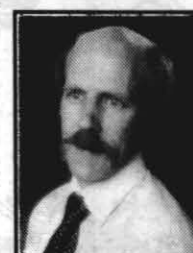
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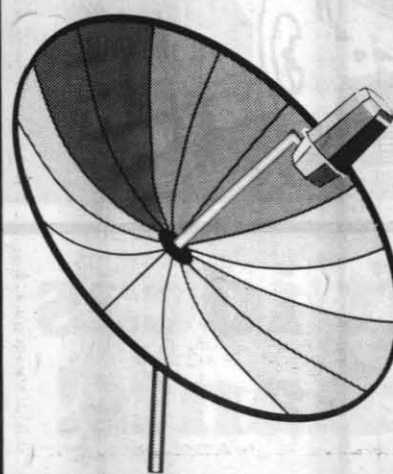
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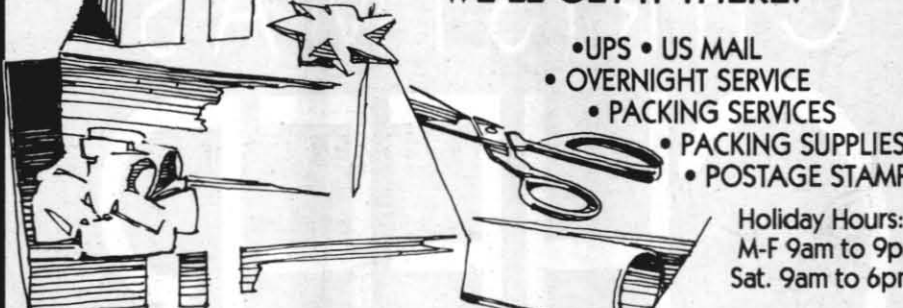


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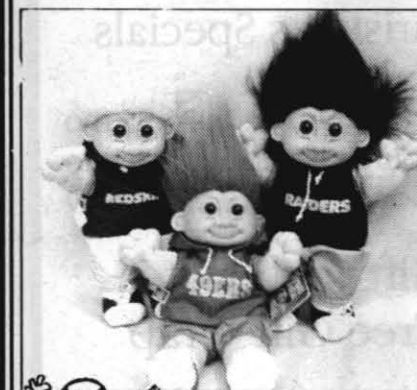
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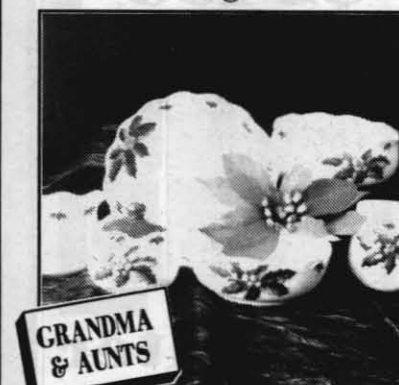
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