

Andregg to Replace Retiring Tom Finnie

Charles H. Andregg has been named Deputy Director of Management and Technology for DMA according to an announcement made recently by Lieutenant General Howard W. Penney, Director. Andregg will assume the top civilian position in DMA on July 1, 1974 replacing the retiring Thomas C. Finnie. (A complete article about Finnie's career will appear in the June 28 Orientor.)

Andregg, a native of Mansfield, Ohio, first came to DMA when it became operational in July 1972 as Deputy Director, Programs, Production and Operations Directorate. Prior to that he had been Technical Director and Deputy Assistant Director, Mapping, Charting and Geodesy Directorate, Defense Intelligence Agency, which managed DoD mapping and charting programs

before the establishment of DMA. He has held a series of progressively more important positions in mapping, charting and geodesy since 1942 when he started with the Army Map Service Louisville Field Office.

In addition to his official duties, Andregg has been active in national and international cartographic and geodetic activities. He is a past president of the American Congress on Surveying and Mapping, a member of the American Society of Photogrammetry, American Society of Military Engineers, and the Association of American Geographers. Formerly, he was a U.S. member in the Commission on Cartography of the Pan American Institute of Geography and History.

Andregg is a graduate of Kent State University, the Industrial



Andregg

College of the Armed Forces, and the Federal Executive Institute. He also attended the University of Louisville and George Washington University. He and his wife Helen reside in Bethesda, Maryland.

DMAAC Sponsors Company of the Year

The Soul Merchants, a DMAAC sponsored Junior Achievement company has been named Company of the Year for the Downtown center. The award was presented at the annual Junior Achievement banquet, attended by Col. James St. Clair, deputy director; Capt. Wayne Fisher, coordinating advisor for DMAAC Junior Achievement; company advisors and some of the company representatives. The Soul Merchants, received the award on the basis of their sales, salaries, wages and commissions paid; efficiency of production; understanding of the company; financial condition of the company; and their products—ceramic zodiac plaques and statues. They were judged the best of the 15 companies in the Downtown center.

The Junior Achievement program helps high school students learn first hand about the free enterprise system. They design, manufacture, and sell their products as well as handle all the financial and administrative aspects of the company. It is through this actual experience that Junior Achievers learn about the American business system.

DMAAC sponsored five companies this year. The Harambee, produced personalized embossed match books and beer or soda can cigarette lighters. Harambee led all companies with \$1400 in sales. The Let Us Get It On Inc. manufactured automobile trouble lights. Wooden and ceramic zodiac plaques were produced by Action Enterprises. The United Working Brothers and Sisters manufac-

tured kitchen memo pads, credit card holders, paperback book covers and wallets.

Captain Fisher credits the success of this year's DMAAC Junior Achievement program to an enthusiastic and active group of advisors. The 1974 advisors staff consisted of: Joe Goines, MD; Leatha Readus, MD; Curtis Triggs, MD; Al Gilbert, MD; Carl Lam, CD; Ben Dawson, MD; Cleveland Mooney, MD; Beverly Smith, MD; Bob Myers, MD; Mary Holliday, MD; and Jerry Versey.

The goals for next year's program include more participation of DMAAC people and incorporating junior achievers into the summer student aid program, says Captain Fisher.

Orientor

DEFENSE MAPPING AGENCY AEROSPACE CENTER

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Energy Conservation Not Only Works But It Pays

The conservation program at DMAAC has not only worked but it has paid in dollar savings over the

inception of the program carpooling by employees has increased 880 percent

and other infrequently used spaces.



has paid in dollar savings over the past months. Based on figures tabulated for the first quarter of 1974 the agency had saved \$88,214 as compared to the same use period in 1973. This savings of taxpayer dollars is directly reflective of the cooperative attitude of Center employees toward the agency Energy Conservation Program.

To accomplish this saving the agency reduced its consumption of electrical energy by 9.8 per cent during the first quarter of 1974 as compared to the same period in 1973; fuel consumption, both fuel oil and natural gas, was down by 30.9 per cent and gasoline for vehicle usage was reduced by 17 per cent.

In addition to the direct savings of the agency, employees contributed to the national energy conservation program by increasing the use of carpools in traveling to and from work. Since

carpooling by employees has increased 200 percent. The agency energy conservation program will continue through the summer months as emphasis is switched from heating conservation to that of air conditioning.

Building thermostats will be set at 78 degrees, except in warehouse areas and in those areas granted special waivers due to temperature tolerances necessary in the operation of equipment or production related material.

Relaxed dress standards will be in effect for employees during the summer months.

Energy saving can also be accomplished at home by using some of the 12 air conditioning tips listed below.

1. Purchase the most efficient unit of the correct size for your need. It will lower your electric bill and cut energy consumption.

2. Eliminate cooling of entrances, corridors, store rooms

spaces.

3. Turn off air conditioning during extended periods during which the building is unoccupied.

4. Raise the thermostat setting.

5. Reduce excessive ventilation. Recirculate cool air where practical.

6. Close blinds and draperies exposed to direct sunlight.

7. Maintain cooling systems regularly. Keep them clean and in good working order. A clean filter and fan is more efficient.

8. Reduce lighting to keep temperatures down.

9. Provide shade trees for the building. Plant now for the future.

10. Keep storm windows and storm doors in place during the cooling season.

11. Ventilate attics during the cooling season.

12. Use white or other light-reflective roofing materials.

A temperature/cost conversion table can be found on page 4.

Public Printer Says Paper Costs Rise 70%

The Government Printing Office (GPO) stated recently that it is suffering from a paper shortage.

Thomas F. McCormick, the Public Printer, reports that the shortage includes all grades of printing papers, and faces the entire printing industry.

"Recent bid invitations for paper have yielded only 50 per cent coverage. Prices have increased sharply. In the last 18

months, paper costs have risen approximately 70 per cent. Furthermore, there has been an alarming decrease in the number of bids we receive from commercial printing firms in response to our requests for printing and binding," he stated in a recent letter.

Some steps have been recommended to help ease the Government's paper shortage:

- order only that printing

which is determined to be necessary;

- reduce quantities ordered to an absolute minimum;
- eliminate unnecessary pages;
- print on both sides of a sheet;
- consider and/or use microfilm to eliminate paper consumption;
- use both sides of the paper for rough drafts.



Capt. Wayne Fisher, (left), Junior Achievement coordinating advisor, congratulates Anthony Arnold, president of the Soul Merchants and Al Gilbert, Soul Merchants advisor, on being named company of the year for the Downtown Junior Achievement Center.

Gift of Life Campaign Successful

The Gift of Life Campaign conducted at DMAAC for the past several months was successful according to Roy Schuttenhelm, POX, DMAAC project officer. Two hundred eighty-eight people, including family members, have signed organ donor cards. This is more than all other federal agencies in the St. Louis area combined.

While the thought of bequeathing a vital organ was new to many people, the response and interest shown by DMAACers was very gratifying. Those who are interested in the program but have

not filled out their donor cards are urged to do so.

The program is sponsored by the Kidney Foundation. Anyone interested in more information about kidney diseases, kidney transplants, or artificial kidney machines, should complete the information card that is attached to the donor form and send to PO, Stop 60.

The Civilian Personnel Office, 8383, will be glad to supply any additional donor forms that are needed. Thank you for your fine participation and cooperation.

Corps Tower Completed

The Army Corps of Engineers is completing the main tower in a new radio communication system. The 350 foot tower is located at the foot of Arsenal Street and can be seen behind the Northeast corner of Bldg. 36.

The system will connect the main office in St. Louis with outlying project offices in the

Missouri-Illinois area, according to Matt Strickel, head of plant engineering and inspection for the Corps. The Arsenal street tower is the center of a hub of ten towers. The new system will allow communication within a 200-mile radius between locks, dams, boats, vehicles and the main office.

New Book Returns For Library

If you were looking for a convenient place to mail those letters, forget about the new beige mail boxes in Building 36 and the Dining Hall. Those are the new book return depositories for the Technical Library. The boxes are an attempt to "make up for the inconvenience caused when the library moved to Building 22 last July," according to Charles Guenther, chief of the technical library branch.

The boxes were a result of a suggestion by Mary Ann Ellis, RDLL, and were put in to try to get patrons interested in the library. "We want to make it easier for users to return books. We are not trying to keep people out of building 22," Guenther said.

The depositories on the first floor of building 36 and in the lobby of the dining hall are the only ones planned. At the present time the South Annex is served by Mrs. Susan Garrison. She delivers and picks-up books from library users. "Personal service is definitely preferable to the boxes," Guenther said.



Remember next time you are frantically looking for a place to mail that already overdue bill payment, blue is for mail, beige is for books.

by Clay Ancell

The St. Louis Section of the American Congress of Surveying and Mapping (ACSM) held its annual installation of officers Saturday, May 11, aboard the excursion boat *Samuel Clemens*. The events of the evening included cocktails and a buffet dinner aboard the *Goldenrod Showboat*, a business meeting and installation of officers aboard the *Samuel Clemens*, an evening cruise on the *Mississippi*, and a return to the *Goldenrod* to hear music by the St. Louis Ragtimers.

Captain Leonard S. Baker, Director of the National Geodetic Survey and vice president of ACSM's national organization, addressed the section and later presided over the installation ceremony. Captain Baker remarked that the ACSM/ASP convention, held in St. Louis last March, was one of the most successful he had ever attended. He cited the extensive work done by the St. Louis ACSM/ASP organizations as the key to that success.

Thomas Seppelin, retiring chairman, also complimented the section as he attributed last year's successful ACSM activities to the hard work and diligence of the various committee chairmen and

New ACSM Officers



The new officers of ACSM being sworn in by Captain Baker. Pictured from left to right are Charlene Gill, director; Thomas Seppelin, past chairman; Thomas Caldwell, chairman; Harlan Reese, vice chairman; Richard Webster, Gene Knight, Ronald Pierce, and Gerald Schuld, directors. The sixth director, Dr. Robert Ballew, is not pictured.

to the assistance they received from their fellow ACSM members. On behalf of the Section, Shirley Sostman presented Seppelin a plaque in appreciation for his efforts and accomplishments as chairman.

Thomas Caldwell, chairman elect, accepted the gavel from Seppelin and briefly outlined his expectations and enthusiasm for

the coming year's ACSM activities. He has appointed the following members to chair the functioning committees: Pat Massot, secretary; Mel Nelson, treasurer; John Kristmann, program; Rodney Stecher, membership; Clay Ancell, editor; Shirley Sostman, publicity; Fred Hodes, historian; and Walter Kowalski, education.



Remember Me?

Hello - remember me? I'm your flag. Some folks call me Old Glory, others call me the Stars and

Bits And Pieces

From the Black book:

Two days of special importance occur this month. The first is today, and in the event you weren't aware, it's Flag Day. We trust that you've elected to display Old Glory

Lightning Precautions

The recent deaths caused by lightning in the St. Louis area have pointed out the great danger. A spokesman for the National Weather Service pointed out that lightning should be feared as much as a severe storm.

The average lightning bolt is about 4,000 feet long and packs a wallop of a billion kilowatts. The

you've elected to display Old Glory at your house. A little flag waving never hurt any country. The second of the important days is Sunday when the populace takes time out to pay tribute to fathers everywhere. Since I fall into that category the celebration takes on added meaning. I have planned a day of total relaxation. Perhaps a little fishing, some tennis and maybe just a little snoozing. That's what I have planned. What I really do will be dictated by some one with far greater planning authority than I, my wife. Oh well, happy Father's Day, men.

Something has been bothering me lately. I was wondering if I might talk it over with you. It's about you and me.

I remember sometime ago (I think it was Memorial Day, or was it the 4th of July) when people lined up on both sides of the street to watch a parade. When your father saw me coming along, waving in the breeze, he took his hat off and held it against his left shoulder. His hand was directly over his heart. Remember?

And you, I remember you! Standing there - straight as a soldier. You didn't have a hat on, but you gave the correct salute. They taught you in school to place your hand over your heart. Remember your little Sister? Not to be outdone, she was saluting the same as you, I was proud, very proud, as I came down that street. Oh, Yes, there were some Servicemen there, standing at attention, giving the military salute. Ladies as well as men, civilians as well as military, paid me respect . . . reverence . . .

Now, if I sound a bit conceited . . . well . . . I have a right to. I represent the finest country in the world - The United States of America. More than one aggressive nation has tried to haul me down, only to feel the fury of this freedom loving country. Many of you had to go overseas to defend me. A lot more blood has been shed since those patriotic parades of long ago and I've had a few stars added since you were a boy, but I'm still the same ole flag.

Dad is gone now . . . and the hometown has a new look. The last time I came down your street, I noticed that some of the old landmarks had given way to a number of new buildings and homes. Yessir, the old town sure has changed. I guess I have too, 'cause I don't feel as proud as I did back then.

I see youngsters running and shouting through the streets. College boys and girls disrupting our campuses, people selling hot dogs and beer while our National Anthem is played . . . everything from apathy to riots. They don't seem to know - or care - who I am. Not too long ago, I saw a man take his hat off when I came by . . . he looked around, didn't see anybody else with their's off . . . so he quickly put his back on.

Now - when I come down your street, you just stand there with your hands in your pockets. Occasionally, you give me a small glance and then look away. When I think of all the places I've been . . . Normandy, Guadalcanal; Iwo Jima; Battle of the Bulge; Korea; and now Vietnam; I wonder-what's happened? I'm still the same ole flag.

How can I be expected to fly high and proud from buildings and homes when within them, there is no thought, love, or respect for me? Whatever happened to patriotism? Your patriotism? Have you forgotten what I stand for? Have you forgotten all the battlefields where men fought and died to keep this nation free? When you salute me, you salute them. Take a look at the Memorial Honor Rolls sometime. Look at the names of those who never came back. Some of them were friends or relatives of yours . . . maybe even went to school with you. That's what you're saluting - NOT ME!

Well, it won't be long before I come down your street again. So, when you see me, stand straight, and place your hand over your heart. Do this because I represent you, You'll see me wave back, my salute to you . . .

(REPRINTED THRU THE COURTESY OF THE CONCORD VILLAGE LIONS CLUB)

downward discharges travel at speeds varying from 100 to 1,000 miles per second. The weather service has issued some common sense rules about lightning. When you feel an electrical charge, your hair may stand up or skin tingle, lightning may be about to strike. Fall to the ground as lightning will usually strike the tallest object in an area. Don't run under a tree, a tall tree will attract lightning and it is better to get wet than electrocuted. If you are indoors, stay there and keep away from open doors, radiators, metal pipes, electrical equipment. Don't use the telephone, lightning may strike the wires outside the house. If you are in a car stay put; the rubber tires will insulate you from the electrical charge. The main rule is to keep low and avoid being the highest object in any area.

-O-

If you're looking for a place to spend a day with the kids, our suggestion is a day at St. Louis County's Lone Elk Park, located off Interstate 44 in southwest county. The park is an experience for the youngsters, and the parents too, as buffalo, elk, deer and mountain sheep run loose in the preserve. You can elect to stay in the car and just drive through or rent a bike and tackle the hills and valleys with leg power. For the more adventuresome the walking trails provide both education and exercise. Picnicking facilities are also available in the park. It might be a good place for Dad and the kids to spend a Father's Day together.

dlb . . .

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Col. Donald D. Hawkins

Director

David L. Black

Chief, Office of Information
Editor

FIO-E Outstanding Airman Honor

MSgt. Johnnie L. Ireland has been named the Outstanding Airman of the Year for 1973 for DMAAC FIO-Europe. Sergeant Ireland, 38, is NCOIC of Det. 2, Flight Information Office at RAF Molesworth, England.

Lt. Col. William M. Volz, DMAAC Europe commander, in his selection letter cited the sergeant for, "...successful accomplishment of complex and varied studies/projects at the detachment. . . a direct result of your outstanding abilities, dedication and professional skills." Sergeant Ireland processed in excess of 4.1 million pieces of cartographic material with outstanding accuracy.

Sergeant Ireland was also singled-out for his commendable effort in supporting the wing during the USAFE ORI. Among his additional duties he's detachment career adviser and he is also active in PTO, MAST and Dad's Club.

Col. Paul H. Hodges, 10th Wing commander, presented Sergeant Ireland with his award at the wing staff meeting.



MSgt. Johnnie L. Ireland, Det. 2 FIOE, receiving the Outstanding Airman of the Year Award for 1973 from Col. Paul Hodges, commander of the 10th Wing.

Golden Opportunity Program Sets Record

Al Poertner, Executive Manager, reports that the Golden

Retirements

May 31st retirees who furnished no information to the Orientor for stories are:

JOSEPH R. BOYD, FEMS, a boiler plant operator, with almost 31-1/2 years Federal service. He had been at DMAAC since October 1956.

WILLIAM J. HUNTER, PDWA, who lacked three months of 30

years Federal service. He was a warehouseman leader with almost 26 years at DMAAC.

ROBERT M. KEMPKER, ADDE, had 20-1/2 years total Federal service with over 13 at DMAAC as an aeronautical information specialist.

LESTER KUEHN, PDW, a warehouseman leader, who lacked

one month of 33 years total Federal service, with 18 years at DMAAC.

LOUIS F. DOMOTOR, an editorial clerk in the Foreign Clearance Guide office in Washington, retired on June 3. He had spent almost 23 of his 34-1/2 years total Federal service at DMAAC.

VA Raises Interest Rates on Home Loans

The Veterans Administration recently announced a higher interest rate on homes purchased with GI loans.

On May 13, the maximum allowable interest rate on mortgages was increased from 8.5 to 8.75 per cent, under a joint agreement by the Veterans Administration and the Department of Housing and Urban Development.

VA spokesmen said that had the interest rate remained at 8.5 per cent during the current housing market situation, veterans would have found it difficult, if not impossible, to obtain VA-backed loans from private lenders.

The reason, said VA officials, is because the 8.5 per cent rate was not competitive. Private lenders were therefore reluctant to finance homes for veterans without payment of points.

The VA guarantees 60 per cent up to a maximum of \$12,500, whichever is less, of home loans that private lenders make to eligible servicemen and veterans of World War II and later periods.

Also eligible are service members separated from service because of service-connected disabilities, as well as widows of eligible veterans and spouses of



DMAAC at Illinois AFA

DMAAC civilian employees look over one of the model aircraft making up an extensive display shown during the recent Illinois State Air Force Association convention in Belleville. Donald Kuhn, (left) and Stuart Popp, both of DMAAC/AD, discuss a B-36 model with Col. E. M. Gyer, a Belleville reservist, who owns the models.

Al Poertner, Executive Manager of the Arsenal Credit Union, stated that, "The Golden Opportunity program is such a success that May was a record month for us in auto loans. But our greatest success is the knowledge that we have been able to provide many of our members a real opportunity to buy a new car for an unusually low price."

Arsenal Credit Union has arranged with various St. Louis auto dealers a special purchase price on new automobiles and has also reduced their auto loan interest rates from 9.6% annual percentage rate to 8.4%. In addition they have compiled a Golden Opportunity Buyer's Guide to assist the buyer in making his purchase.

The Guide lists all the dealers participating in the program and the make of automobile that they sell. There are spaces to list the model the consumer has in mind, a list of the most common options purchased and a place to tabulate the cost of the car. Included is a credit estimator to help the buyer compute the monthly payments over a two or three year period. The credit estimator is based on the Arsenal Credit Union's low annual percentage rate of 8.4%, a rate that will remain in effect until July 31, 1974.

The credit union is encouraging DMAAC employees and their families who are not now mem-

bers to join while the Golden Opportunity program remains in effect so that they may also take advantage of this program. "Pre-arranging an auto loan with us," stated Poertner, "gives the buyer the confidence and freedom to make a selection suited to his needs and wants. Credit life insurance is an added plus to credit union financing since it is included at no additional cost. And joining Arsenal Credit Union is a simple procedure. Complete information can be obtained from any of our offices or from a credit union representative."

To further interest members in purchasing a new automobile from one of the participating dealers and financing this purchase through the credit union, members are being offered a choice of three useful items for their new automobile as a free gift during this special promotion period—an automobile security alarm, a deluxe first aid kit or a portable fire extinguisher.

Daughter Initiated

Karen Lepsky, daughter of Bernard Lepsky, CDCB, has been initiated as a member of the Central Missouri State University chapter of Alpha Phi Delta, a local scholastic honorary organization for women.

eligible veterans and spouses of service members missing in action or prisoners of war for more than 90 days.

The increase in interest rates does not apply to mobile home loans for veterans.

In Sympathy

Chester R. Tutty, a retiree, died June 5th. He was foreman of structures and masonry at time of retirement May 31, 1971, and had spent the last 18 of his 28 years service at DMAAC.



Services were held on Saturday June 8 at Church of the Good Shepherd with interment at Bellefontaine Cemetery.

He is survived by his wife Edith and two daughters.



E/P Slide Show to DMA

Selected panels from the Effectiveness/Productivity Display currently on exhibit in Building 36 were used in an audio-visual presentation which was sent to DMA Headquarters. The series of 17 slides was accompanied by a tape recording pointing out some of the most important features of

man, a Belleville Reservist, who owns the models.

New Bloodmobile Date

The date for this month's Red Cross Bloodmobile visit has been changed from its normal 3rd Friday of the month to the following Friday, June 28th, for this month only. It will be located as usual, adjacent to the cafeteria, South Annex with hours of operation from 9:30 to 2:30.

The Red Cross has asked that we have an all out effort this month to

help offset the seasonabl drop in blood donations during the summer months. In particular this will help fulfill their needs for the 4th of July weekend—the following week.

Certificates of appreciation from the Red Cross have been presented to D, IG, OI, CO, CM, MD, AD, RD and PD for exceeding their 1973 quotas.

Grads

George Larry, Jr., RDGG, recently attended the graduations of both his nephew, Frederick Larry, Jr., and a daughter, Molly Larry in Collegeville, Minn. and St. Louis, Mo., respectively.

His nephew graduated from St. John's University in Minnesota with a Bachelor of Arts degree.

His daughter graduated from Central High School on June 1.



CANCER

JUNE 22-JULY 22

The emotional, romantic, sensitive Cancer identifies strongly with children, family, and home. You protect your family and security and do not take chances with money. U.S. Savings Bonds are the safe, secure, sure way to save. They're replaced if lost or stolen and interest is guaranteed.

Stahl Retires As Alaskan Commander

Retirement ceremonies were held March 31 at the Flight Information Office, Alaska for Lt. Col. Kenneth Stahl, FIO commander. The ceremonies marked an end of 20 years dedicated service.

Prior to joining DMAAC the colonel held a wide variety of positions and continued as an active pilot, logging over 5000 hours in the air.

The "Spell of the Yukon" appears to have a firm hold on the Stahl family, for although their Air Force duties are terminated in Alaska, they have decided to make their home in the "Great Land." The colonel will be employed as a pilot with Polar Airways, a locally based airline. In his new position much of his time will be spent flying passengers and supplies in support of the Alaska oil pipeline project which began this year.



Col. D. C. Frankenburg (right), commander of the Alaskan Air Command Intelligence Branch, presents the Air Force Meritorious Service Medal to Lt. Col. Kenneth Stahl at FIO-A. Mrs. Stahl looks on during the change of command and retirement ceremonies.

Colonel Stahl is succeeded by Major Rondall E. Skinner.

UFO Info

The officials of the Historical Research Center, Maxwell AFB, Ala., indicate the demand for copies of the Air Force UFO study, "Project Blue Book," has exceeded the supply. As an alternative the Center recommends individuals seeking additional information regarding the previous Air Force investigation into UFO's may contact the

Bantam Paperback Book Company for the complete University of Colorado report, "Scientific Study of Unidentified Flying Objects."

In addition, the entire three volume report is also available for \$18 from the National Technical Information Service, U. S. Department of Commerce, Springfield, Va. 22151.

RELATIONSHIP OF
TEMPERATURE TO
OPERATING COST

PP Staff Cited

Philip Rahall and Raymond Hughes and other members of the PP staff were cited for outstanding service in supplying special charts for the Operational Base Launch program of the 1st Strategic Aerospace Division at Vandenberg Air Force Base, California.

Col. Richard M. Snowden, Asst. Deputy Chief of Staff/Operations, said, "Without their direct and aggressive assistance we would not have met our deadline." The charts will be used to explain the Operational Base Launch program to visiting DoD and civilian groups and "the charts have made the task much easier and more meaningful to these groups," according to Colonel Snowden.

SAC Command Change

President Richard Nixon has announced the nomination for retirement of Gen. John C. Meyer, Strategic Air Command (SAC) commander in chief and Joint Strategic Target Planning staff director. The effective date is Aug. 1.

The President also has announced the reassignment of Gen. Russell E. Dougherty to replace General Meyer. General Dougherty now is chief of staff for the Supreme Headquarters allied Powers Europe (SHAPE).

In addition, the President announced the nomination of Lt. Gen. Louis T. Seith for promotion to the grade of general and to become SHAPE chief of staff. General Seith presently is the J-5, Director for Plans and Policy, Organization of the Joint Chiefs of Staff.

45 lb. Fish

Snake Bite Common Summer Risk

With the coming of the summer months, people flock to parks and wooded areas. Unfortunately, some of them run into snakes, who also flock to wooded areas in the summer months. According to the Missouri Conservation Commission, awareness is the key to avoiding poisonous snake bites. A person must be aware of the possibilities of poisonous snakes being in the area and move through the woods with reasonable care. Places you need to watch for poisonous snakes are flat rocks and ledges where they like to sun themselves. Snakes also like areas with tall grass or heavy undergrowth, and particular care must be taken when picking up rocks or logs as snakes may be underneath.

The seriousness of poisonous

snake bites was called to our attention recently when Tony Birkenmeier, RDS, was bitten. Birkenmeier was on a family picnic, Memorial Day, when he was bitten on the finger as he reached into some tall grass. He was unable to determine what type of poisonous snake bit him. Birkenmeier was treated at the Farmington Hospital.

The recommended first aid for a poisonous snake bite is to put ice on the wound and rush the person to the nearest hospital, Frances Lavin, POS, says. At the hospital antivenin can be administered which will counteract the snake's toxin. Only when a hospital is inaccessible, the older method of cutting cross cuts at the wound and sucking out the poison, is advised.

Wuenscher Elected

Adolph F. Wuenscher, ADP, is the newly elected chairman of the Institute of Navigation, St. Louis section. He accepted the gavel of office from outgoing chairman Sam Powell, ADFC, at the recent dinner meeting at the U. S. Coast Guard Officers Club.

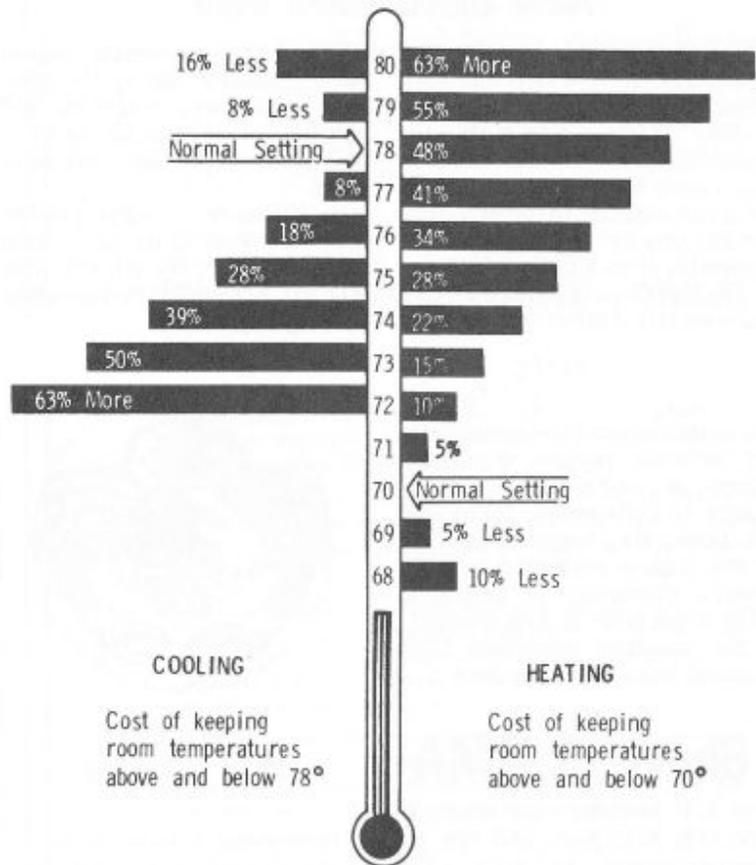
Other officers for the 1974-75 year are Billie W. Hopwood, ADFD, vice chairman; Frank J. Finklang, ADPA, executive secretary; and Ernest G. Brock, ADPF, treasurer.



Air Force Scientists

Discover Antiknock Additive

Air Force scientists have Robert L. Tischer, all chemists at



COOLING
Cost of keeping room temperatures above and below 78°

HEATING
Cost of keeping room temperatures above and below 70°



Bob Clevestine's (CMDP) father holds the 45 pound spoonbill catfish Bob caught June 2 at the Lake of the Ozarks. Clevestine used a trot line baited with shad in about 200 feet of water.

Two and one half miles above the Tan-Tar-A resort is Clevestine's favorite fishing hole. This was the biggest fish Clevestine has caught, but still a little below the Missouri record of a 110 pound spoonbill catfish.

Clevestine had no trouble pulling the fish in, but it did take him two hours to clean it. Clevestine added that there is a lot of good eating on a 45 pound fish.

Air Force scientists have discovered lead-free antiknock additives for gasoline which can be used in both automobiles and aircraft.

Providing greater performance and reducing pollution, the new additives are based on rare earth compounds rather than tetraethyl lead, now the principal antiknock agent.

One of the inventors of the additives, Dr. Robert E. Sievers, of the Chemistry Research Laboratory at Wright-Patterson AFB, Ohio, says that the rare earths used are not rare at all.

"As a matter of fact," said Dr. Sievers, "the most promising additive is based in cerium which is more abundant in the Earth's crust than lead. Abundant deposits are available within the United States at a low cost, and rare earth reserves will probably outlast the world's petroleum reserves."

Tests by a major oil company on 1973 model automobiles show that the new additive "... looks promising from the standpoint of environmental pollution and extending fuel reserves," said Dr. Sievers.

An outgrowth of Air Force basic research, the invention is a spinoff from research begun in the early sixties for new metal compounds. Tests in supercharged engines showed the new antiknock additives to be superior to tetraethyl lead, and after years of research and additional testing, a patent was issued this year to Dr. Sievers, Dr. Kent Eisentraut, and

Robert L. Tischer, all chemists at Wright-Patterson AFB.

The value of the Air Force discovery to motorists lies in the fact that auto manufacturers are developing a catalytic exhaust system which will reduce pollution and improve gas mileage. Since the system works effectively only with lead-free gasoline, the Environmental Protection Agency has ordered the gradual elimination of lead from gasoline.

An estimated five-million—about half—of the cars sold next year will have the catalytic converters.

Further testing is planned by the Air Force and firms interested in the new additive.

Award for Zdrodowski

William Zdrodowski, MDCD, was awarded the Certificate in Data Processing from the Institute for Certification of Computer Professionals.

An exam, given locally at St. Louis University, establishes a method for recognizing a corps of individuals having knowledge considered important to data processing management information. Exam applicants must have five years of electronic data processing experience.

**Save the Bond
A Month Way**