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Some Grub For It To Keep Eating

What goes up must come down. Right?
Forget it!

Where food prices are concerned, the end is nowhere in sight.

That's not only a threat, it's a promise if budget-conscious families can believe what they read nowadays.

A recent consumer report said the price of farm products jumped seven percent in June, the highest increase since record-keeping began in 1947. Wholesale farm prices shot up 47 percent over the year before, an all-time high for a 12-month period.

What's more, there's no downward trend in sight.

On the contrary, economists say further price increases are likely when the current freeze thaws. One food store chain is predicting, for example, a 15 percent increase on fresh fruits and vegetables.

To see how Redstone people are meeting the challenge, the Rocket this week talked with families; cafeterias and mess halls that feed thousands on the arsenal; a few who garden and are canning their own food; and even a handful of Huntsville stores that sell plants and vegetable seeds. They report business has quadrupled.

The interviews indicated widespread concern here about rising food prices but also sounded a more ominous note:

"Things are going to get worse—before they get better."

See Related Stories Inside

The Redstone Rocket

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Answers

(Editor's Note: The MICOM Information Office conducts a question and answer program for job-related questions of general interest. Such questions may be telephoned to 876-4161 or 876-4400, or mailed to AMSMI-G. Some questions are selected for publication in the Rocket. Names are withheld. It is not intended that this program take the place of the usual supervisor-employee relationship which is the proper channel for specific job-related questions.)

QUESTION: Upon retirement, is accumulated sick leave credited only in increments of one month, the remaining fraction not being counted? How many hours equal the one month increment?

ANSWER: Sick leave is added to the total service, then the amount less than a month is dropped. For example, a person has 30 years, six months and 20 days of actual service. He also has 1328 hours (166 days) of sick leave. This converts to seven months and 20 days of additional creditable service. Adding the two together one gets 31 years, two months, and 10 days. The 10 days are dropped. A total of 2080 hours (360 days) of sick leave is equal to one year of service. This is 174 hours per month.

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Not Always Easy

Recycling At Redstone

Envisioned as environmental elixir and social salve, solid waste recycling with its promises of uncluttered landscapes and no more ravaged resources very likely will do as much to shape future generations as the throw away ethic has done to shape ours.

But like most sovereign remedies, recycling exacts a toll, a high one in some cases.

For example a study into recycling Redstone's cans, bottles, paper and cardboard found the cost would be many, many times that of disposal in sanitary landfills, as is done here now. Thus there will be no program here for these wastes until recycling gains a higher priority. A refuse contractor tried selling Redstone's paper and cardboard but found it uneconomical.

There is some recycling here though and what programs exist were called "exemplary" by an Army ecological research unit.

Environmental concern triggered Redstone's newest venture into the recycling realm. It involves trying to find a market for waste oil, some 10,000 gallons yearly. Using the waste oil as a dust collector on roads in the ranges, as was being done, has been halted because rain was washing it from the roads into adjacent waterways. Bobby Burke of the Defense Property Disposal Office here, said the oil is being stored until a contractor can be found to haul it away. "Hopefully it will be reclaimed and refined again," Burke said. He estimates five to seven thousand gallons are on hand at present.

Metal salvage, with a turnover averaging 700 gross tons a year, is Redstone's biggest business from a recycling standpoint. It is sold on contract, its worth determined by prices paid for the various scrap metals on Birmingham markets.

Also recycled in huge quantities are bones and fat from the commissary and dining halls here. A

Huntsville firm buys and hauls off about 600,000 pounds a year, Burke said.

Scrap wood is sold at weekly sales. Unsellable wood is used as kindling when hazardous material is burned.

Used IBM cards, of which Redstone sells about 50 tons (a boxcar load) a year, at \$90 per ton give the lie to any presupposition that paper can't be recycled profitably. Of high quality manila stock, IBM cards are recycled into durable packaging such as meat cartons, Burke said.

Last year DoD recycled 2074.39 troy ounces of silver gleaned from photographic processing wastes under Redstone's silver recovery program. This silver, which until recent years went down the drain, is recovered by routing the processing effluent through a canister which uses a material resembling steel wool to filter 275 gallons of effluent. Redstone filled nine of them last year.

It would appear that the silver recovery program is as wholesome environmentally as it is economically. Silver's bactericidal properties are potentially disruptive to an aquatic environment and, like many heavy metals, silver is toxic and absorbed by tissues. Environmental Protection Agency Standards limit its concentration in effluent to 0.05 parts per million (a grain of sugar in a pound is about one ppm. An Army water quality expert says new thinking by environmental scientists suggests that silver concentration in effluent should be limited to 0.01 ppm.)

Also, silver is corrosive and rough on plumbing. Burke found out just how corrosive. On its way to a canister he let photographic processing waste trickle over a railroad spike. It ate through the spike in two years.

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But The Sum Total About The Same



People who buy food aren't likely to forget June 1973.

In the wake of the month's record shattering price increases and portents of short supplies, we watch incredulously as the America of food cheap and superabundant seems to go the way of the America of bottomless oil wells.

"It's tearing us up", says Ernest Tomaras, resident manager of Interstate United's cafeteria operations here.

And where does it leave you if you serve 80,000 meals a month, as do Redstone dining halls? To find out we asked Richard Foote, post food advisor and MICOM mess officer.

PRICE PINCH

The Army is feeling the food price pinch, according to Foote, and has asked dining facilities to cut food costs by 2.5 to 5 per cent, suggesting less steak, shrimp and other high cost items. Redstone is fulfilling this request without, so far, sacrificing steak, shrimp, etc.

"DA recommended a number of ways to cut food costs, but we haven't had to follow them," Foote said. "We've already cut our cost by three per cent — that is, reduced the ration value to \$2.03 — through better management and controls."

Ration value is the amount the Army allots Redstone to feed each soldier a day's meals. It parallels food price fluctuation and is computed monthly from a cost survey of 40 food items in the area. Thus, Foote pointed out, troops are unaffected by food price increases, in theory at least.

Foote said that when he came here in January 1971 the ration value was \$1.53. In contrast, July's is \$2.09, up \$.06 from the previous

month. (Ration values for the past two months do not reflect the three percent reduction which nevertheless is a part of the months' budgets.)

Economies achieved here are in large part a result of a cooperative food conservation program, sort of a modern day version of the old "take all you want, but eat all you take."

And as a carryover Foote sees better food forthcoming: "When the reduction lifts we will have more money for things like pizza because of conservation habits formed now."

CAFETERIA CRUNCH

"We're losing money" is Tomaras' terse summation of the situation at the cafeterias.

The cafeterias are contract-bound to maintain prices and food quality arrived at by the contractor and the post restaurant council. In this case, Tomaras said, the contractor and the post restaurant council. In this case, Tomaras said, the contractor envisioned breaking even on the cafeterias and deriving his profits from the vending machine concession which is a part of the contract. But this was before inflation, floods, frosts and other factors came together to shoot food prices skyward.

"We contracted for this two years ago basing our costs on food prices back then," Tomaras said. "We've been allowed to raise some prices but, everytime, a rise at the wholesale level has wiped it out. Our costs have increased across the board — meat, produce, some canned items, but primarily meat."

He cites as examples these per pound increases in wholesale meat

prices, all sustained in the past two years: bacon from \$.49 to .94 sausage from \$.49 to .87, top round from \$.91 to \$1.39 and pork loin from \$.73 to \$1.07.

The cafeterias have eliminated pork chops, roast beef and most other high cost items from the menu because they can't afford to serve them, according to Tomaras. "We can't automatically raise prices like they do on the outside."

MONEY MAKER — ?

Chicken, frequently on the menu and in Tomaras' words "supposed to be your money maker," costs the cafeteria \$.59 per pound. It cost \$.28 two years ago. He invites any chicken-cost skeptics to "take a look at the prices at Kentucky Fried Chicken."

Traditionally staples have been cheap, he continued, but grains — especially flour — have gone up a

lot.

As if to add insult to injury, the cafeteria has been put on notice that at least one major item may be in short supply later on. "I talked to a man from our company in Chicago this morning and he said pork may become hard to get as a result of the price freeze," Tomaras said, explaining that the company "has feelers out" to gauge the wholesale food market.

Tomato supplies are also questionable, despite a wholesale price increase of over 100 per cent since two years ago, and are presently "rotting in the fields," according to Tomaras. He said this is because, what with the price freeze, they can't be processed and shipped and then wholesaled at a profit.

Other vegetables which now cost the cafeteria at least 100 per cent

more than in 1971 include onions, cabbage and lettuce.

Some fruits are scarce and expensive since bad weather destroyed the southwest Texas citrus crop, Tomaras continued, adding that most fruit from the prime markets, California and Florida, is being made into juice.

Wholesale milk price is scheduled to go up after the freeze is lifted, Tomaras said. "Last March after getting the post restaurant council to let us raise our price on a 1-3 quart container of milk from \$.15 to .20, the wholesale price, which was \$.095 cents jumped to .13. It's a losing battle..."

"Would you believe I had black hair when I took this job," he jokingly concluded, now displaying more salt than pepper after doing daily battle with food costs for two years.



Tough On Families Too



A dinner party for ten is an every night affair for Specialist 6 Noel Reed and his wife, Ethel. It just means that all of their children are at home. The Reeds have eight children ranging in age from 7 weeks to 17 years.

And with a family of that size it takes some planning when it comes to meal preparation. Mrs. Reed commented on her shopping practices in view of rising food prices.

"I've noticed that every time I go shopping the total is five or ten dollars more. It seems that some

items remain the same while others increase in price almost every month."

"It does take quite a bit of planning for eight children and I'm very conscious of preparing balanced meals. But I've found that I can alternate with different types of foods and still maintain a proper diet."

"We like cheese a great deal and I use a lot of dairy products. This helps with meat prices going up. I also do my own baking. I can save money and also prepare a larger quantity for less."

Mrs. Reed says that she tries to be a careful shopper. "I've found that it isn't always cheaper to buy the large economy packages. In some cases, you can get a better buy on the regular size."

Reed is assigned to the 95th Service Company and the family lives on post. They do not raise a garden but they do grow their own tomatoes.

Greener pastures for Curley W. Mann, Jr., meant moving to Cotaco, Ala. With a specific purpose in mind, Mann, his wife and

Continued on page 4

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Tough On Families Too

(Continued from page 3)

their six children moved to a small farm and began their own battle against high food prices.

"I have about an acre planted with vegetables including beans, tomatoes, peas, butter beans, cabbage, lettuce and okra," says Mann. "I sure beats paying the high cost for vegetables in the supermarkets."

Mann also plans to raise beef and pork in the future. He already has several chickens.

"I think that people are buying land, even in small plots, because they are looking toward the future. It isn't so much the magnitude of the price increases at the present time but rather the trend toward higher costs. It looks as if this trend is going to continue and if it does, the family that can raise part of their food will be much better off."

PAY DIRT

"I planted my garden specifically to beat food cost," says Warrant Officer Larry D. Clayton, "and it's really helping out." Clayton and his wife, Helen, have five children.

The family food buying has undergone a change this year. "We spend basically the same amount for food now as we did last year," says Clayton, "but we aren't getting the same foods or the same amounts. It seems that we are buying more hamburger, ham and chicken in place of so many steaks and roasts. My wife is baking more than she did before, too."

Clayton commented that the overall increase in the cost of living has effected the amount they spend on food. "This fall we will have four children in school and with the increased prices in almost every area, it takes budgeting. I'm wondering how the school lunch program will be effected by the price hike."

Being raised on a farm colored Clayton's outlook toward gar-

dening. "When I saw the prices on vegetables at the market, I was determined not to pay them. I knew that I could raise them much cheaper so I planted a garden. I also have a number of fruit trees in my yard."

"My wife cans some of the vegetables and freezes some of them. We also eat more fish than we did before. These supplements really help. And we don't just buy, we shop."

Clayton is employed in the Military Personnel Division.

SELECTIVE BUYING

"Food shopping can be a real education," says Lieutenant Colonel Norman Hayes, Deputy Chief of Requirements and Planning Division of the Procurement and Production Directorate.

And he certainly has the students. Hayes and his wife have nine children, eight of which are still living at home.

"My wife and I have tried to install an awareness for good shopping practices in the children. When we lived in Florida we often visited orange groves and picked our own fruit."

"I can't say that we've really changed our shopping practices with the increase in prices, because we have always shopped carefully. We do such things as buy a whole ham and have it sliced and packaged in plastic bags. This is much cheaper than buying luncheon meats."

"One of the most helpful practices I've noticed in some stores is unit pricing. This is the listing of food prices by the unit of the item such as ounces, pounds, 100 count, etc. It gives you a clearer idea of what you are spending."

The Hayes family maintains a larger freezer in addition to two well-stocked refrigerators. "And you can believe it when I say we consume a lot of food," says Hayes.



FAMILY GATHERING — Even in the bustle of a busy household there is always time to give thanks as shown by Specialist 6 Noel Reed and his family. Reed is pictured with his wife, Ethel, and seven of their eight children.

Fishing For A Solution

Can fishing help out on the food budget?

A check in the Maintenance Directorate, where fishermen abound, reveals that fishing can indeed be profitable and fun at the same time.

Of course there are the sportsmen who have invested so extensively in gear that they never expect to come out ahead. Barney Kemp said "I can eat more

than I can catch and I guess my fish cost me \$100 a pound!"

George Rudd, a bass enthusiast, says he catches a lot more than his family can eat and gives most of catch to his neighbors. The angle here is to live near George and mow his lawn once in a while.

Emily Dykes, who fishes every chance she gets, has a different

angle. "We could eat lots more than I catch because I can't get away often enough. But my Dad's built two ponds and stocked them with 3,000 baby catfish. They are growing fast and when they get a little bigger I'll be able to catch all we can eat. We ought to be able to save quite a bit on meat. Of course, I haven't mentioned this to Dad yet but he's

Continued On Page 5

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EMILY DYKES

Fishing For A Solution

(Continued from page 4)

easy for me to handle."

Barney Covington takes the catching and eating of fish seriously and he believes that his fishing along with his hunting definitely save on food bills. "I raise my own worms, catch my own minnows, and make my own lures. But Billy Jean does the cooking. She's great at cooking all sorts of fish and game." Barney, a renowned turkey caller, has his freezer loaded with fish, two tom turkeys and a deer he bagged last fall.

Bish Tarwater, who has a cottage he and his boys built on the banks of the lower Elk River, has a different angle on how fish can help out on the food bill. "In entertaining," he said. "We have friends who love to eat fresh fish but don't get many chances at it. We invite them down for an afternoon of fishing and then a fish dinner with hush puppies. They seem to enjoy the treat as much or more than they would expensive steaks. It costs practically nothing. I don't even have to crank up the boat. They can catch shell crackers by the dozen right off the bank, and they're plenty good."

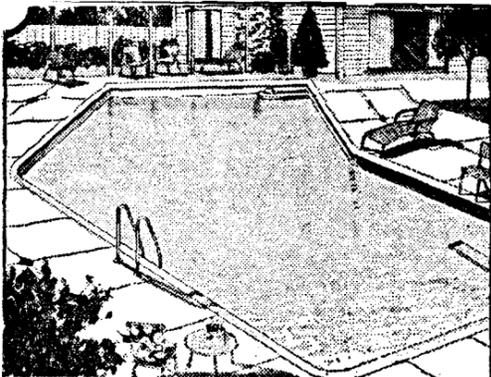
Dot McMullen says her family goes to their place on the lake frequently on weekends and that they save appreciably on the food bills with the fish they catch.

"We don't have to take meat along. We can just catch and eat fish and still have some left to bring home for the freezer. Since I've learned to filet them, my family eats lots of fish."

Chan Barnes said "I've just about quit buying meat. Even hot dogs have gone out of sight. I go fishing every weekend and we eat fish several times a week. We definitely save, and I definitely like to fish!" Catfish are his favorite eating, with bass second.

Ruth Ledbetter says her husband, Billy, is really the fisherman of the family though she enjoys it, too. "He likes to have me along because he says I have better luck with the big ones than he does. We practically lived on the lake last summer and I guess we ate fish just about every day. We must have saved many, many dollars on food. My favorites are bass and crappie and I especially like them broiled."

Bill Skidmore, whose hobby is cookouts, especially fish fries, says there is really no secret to frying fish. "Just use salt and cornmeal on the fish and be sure they are completely thawed out before you drop them in cooking oil that is good and hot."



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MICOM Engineer Cited

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The honor went to Herman R. Oswell, an engineer in the Systems Research Directorate of the Missile, Research, Development and Engineering Laboratory.

Winner of the AMC award, established to recognize individuals for excellence and competence in the command's operations research and systems analysis effort, was Raymond Bell with the AMC Systems Analysis Agency at Aberdeen Proving Ground.

Oswell organized and directed a quantitative risk analysis of the SAM-D air defense missile system, according to the Missile Command's nomination of him for the award.

The nomination credited the analysis with influencing the SAM-D Project Manager to take several significant actions to reduce the

risk in the program. They included:

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Reasons Vary at MMCS

Among MMCS employees who till garden plots, the sizes of gardens vary widely. So do the reasons for gardening. Here are a few examples, along with methods and reasons for food preservation.

Mrs. Ernestine King of the academic support department tends a garden that covers about a quarter of a city lot. She grows about a dozen garden vegetables popular in this area.

"I freeze everything we don't eat fresh, including homemade vegetable soup. I have no idea how much I save, but if I had to buy the food I preserve during the winter, it would mean quite an increase in my food bill," she said.

James E. Cowan of the publications section of academic support goes in for food preservation in a bigger way. Cowan keeps a garden about 60 by 100 ft. He begins planting early in the spring, and puts in a few fall vegetables as well. Cowan also has a dozen fruit trees — apples, plums and pears.



"After a good harvest, my chest freezer is usually filled with the things I freeze. I dry and bag my potatoes and store them in a cool, dry place. I also dry and tie onions and hang the bundles in my garage.

"The freeze got most of my fruit this year. We had a few strawberries earlier, but they were hurt by the frost and we couldn't freeze too many. After a good fruit harvest, we can and freeze the peaches. We mostly eat the apples fresh and can a few, but my father has a dryer and I can dry the apples if I like. We eat our plums fresh," he said.

But Cowan's reluctant to brag about any savings. He's never really kept track of his gardening expenditures closely.

Mrs. Willie Wooten tills about a half acre by herself, and she can put some kind of value on her garden.

"I do come out ahead. I couldn't have raised my family from a grocery store," she said.

Her three children are all grown now, but she continues gardening. From her half-acre, divided by a brook whose shade trees host blackberry bushes, she gathers all kinds of vegetables for freezing and pickling.

"I mostly freeze my vegetables. I work for a living, and it's faster to put things in the freezer than to can them. Sometimes I buy peaches in season and cold pack them for the winter. I tried to sun-dry some things once, but I'm away from home during the day and you have to be able to bring them in if it rains."

Mrs. Wooten has one golden delicious apple tree, and says she enjoys its yellow fruit.

During the winter months, she keeps a turnip green patch going, along with winter cabbage. With a year-round supply of greens, she says she can cut down on her winter buying and take advantage of market specials.

Not all MMCS gleaners have been gardening for nearly a decade. This is Sergeant Major James B. Gipson's first year with his garden. The sergeant major of the munitions department, Gipson began working a quarter-acre plot on his Tennessee farm land this spring.

"I would say the rising prices may have influenced me, but I'm a landowner, and I wanted to put the land to work. It adds significant to our food supply, and I believe I come out ahead. We've bought less canned and fresh vegetables this summer than before," Gipson said.

He's planted a wide variety of vegetables. He's still trying to find the best variety of each for his soil

and climate conditions.

"My wife cans and freezes, as well as drying some of the beans. We expect to fill the freezer," he said.

Yvon Matthews of the munitions branch says she's planted more this year than ever before. Her garden's about 50 by 80 feet, and she also has a few fruit trees.

"I've been gardening for years. It's not just the economics; it's an enjoyment and a chance to get fresher foods, some of which you don't usually find in the market. The garden supplements our diet, but I don't need to buy many vegetables, except a few in the winter," she said.

She tries to pressure-can about 75 quarts of beans each season, and she nearly fills her upright freezer from her garden. She only pickles every two or three years, when her usual supply runs a bit low. Her peaches are thin this year due to a late spring frost.

Chief Warrant Officer Ron Treusdell has what he calls a salad garden. It's an eight by twelve plot in his yard in town. This is his second year.

"Rising food costs were a reason this year, definitely. But it's enjoyable to get outdoors and work. That's the main thing. I grew up on a farm, so growing has been a part of my life. The reason we began gardening so recently is that we have a place to do it now," he said.

This spring, Mrs. Treusdell picked blackberries near their home and made jam. Ron spoke enthusiastically about the jam.

"I guess you could call gardening an enjoyable hobby that has a side effect," he mused, "lower cost for your vegetable or fruits."



A LOTTA CABBAGE — When Doris Taft, secretary in the SAM-D Procurement office, brought a picture of a large cabbage she grew, her co-workers didn't believe it...so Mrs. Taft brought the cabbage. It measured 3 feet across...several larger leaves were broken off...and the weight was 25 lbs. Mrs. Taft had 12 cabbage plants...all of them large...and the biggest weighed 27 lbs. She and her husband raised the cabbages in Taft, Tenn., and she says they didn't use any special fertilizer. Now her co-workers believe.

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Get A Pole and Head For A Nearby Stream

The Dick Maroon Family does not like high prices and they are doing something about it. Maroon, an illustrator in the Publications Branch, Directorate for Maintenance, is an avid fisherman. What is more important, he is a fisherman who catches lots of fish . . . of the eating variety.

Whenever he goes fishing, he brings the catch home and prepares it for the deep freeze. The Maroons usually have from 50 to 100 lbs. of fish in the deep freeze the year around and this is a big saving on the food budget.

With the price of food what it is, the Maroon Family has started a little garden in the back yard. They have already eaten squash and cucumbers from the garden this year and the corn is beginning to tassle. The tomatoes are big . . . they've picked some

green ones for frying and left others on the vine to ripen.

Much of the credit for saving on the grocery bill goes to Mrs. Maroon. Maroon put it this way: "She can cook American, Lebanese, Greek, Italian and Chinese



style foods and they are all delicious. She takes some of our homegrown squash, hollows them out and stuffs them with a hamburger and rice filling and then bakes them. Another specialty is stuffed grape leaves . . . this is a Greek delicacy and our family loves it. In fact we even can grape leaves during the summer

so we can have this dish during the winter.

"During the summer we go out to this farm where we can pick strawberries for 20 cents a quart. The whole family participates and we take them home and freeze them. When you figure strawberries are selling for 70 cents a quart, this is quite a saving and we have strawberries all winter."

"Many of the bakeries have stores where they sell day old bread at 10 cents a loaf. Normally a dollar will buy only two or three loaves, but you can get 10 loaves for a dollar and freeze them and this results in a sizeable saving," Mrs. Maroon said.

Mike and Diane help with the garden chores and the family projects. Like their parents, they enjoy eating the vegetables, but they also like to watch them grow and develop.

Mrs. Maroon feels that her husband's fishing . . . and the family garden has cut their grocery bill nearly in half . . . and these days and times that's a big help.



FISH FOR THE TABLE — Rose Maroon has a lot to smile about because husband, Dick, is a good enough fisherman to keep the family deep freeze filled all summer and winter too. Cuts down on the grocery bill too.



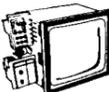
FRESH VEGETABLES — Diane and Mike Maroon look over the tomatoes to see if any are ready to harvest. They picked cucumbers, squash, tomatoes.....and checked to see how the corn is developing. The little garden in the backyard is a family project.

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Move In The Direc

By SCO

WHEN THE FIRST of last March arrived, some 2,600 headquarters personnel of the Army Materiel Command completed a move out of the barracks-shaped World War II "temporary" buildings, called Tempo 7, at Gravelly Pt., Va., near Washington's National Airport, and settled down in a brand new \$15-million modern structure known as the AMC building at 5001 Eisenhower Ave., Alexandria.

For over 10 years AMC military and civilian personnel were chilled (or overheated) in winter months, sweltered in the summer humid months, and bore somewhat stoically the thunderous cacophony of their nearby neighbors.

All that is changed now. In the new leased building, they pass travertine marble slabs imported from Italy for the lobby pillars and some walls in the all-electric building. Separate heating, air-conditioning, humidifying and power systems make day-to-day working conditions considerably better.

But all is not tinsel and fancy. The office of the Commanding General, Henry A. Miley, Jr., is spartan in design. Functional, neither commodious nor plush. And appropriate. Miley is a very active man, with a crammed schedule, responding to call from the Pentagon, from the Hill, inspecting one of the multitudinous commands, laboratories, activities that literally span the globe.

At his desk he sits restlessly, thinks deliberately, talks incisively but conversationally. He elevates a foot on a desk drawer, for relaxation, while talking informally. "Our management business requires a hell of a lot of paperwork," he told *Government Executive* during a recent interview. "We go through periodic drives to reduce the number of reports coming in. We have one going on now—Fastcut, an extension of a Department of the Army program. And I suspect that my staff will come in and tell me they've eliminated X number of reports, amounting to X number of manhours saved.

"Why do we seem to be dealing with a lot of paperwork at this particular time? I suppose we're responding to the climate of the times."

The mounting paperwork began in the first Nixon Administration, when former Deputy Secretary of Defense David Packard took office. Army, as the other Services, had encountered trouble with some of the large acquisition programs, and heard criticism from both the Congress and the public. "One of the classic ones is the *Cheyenne* helicopter," Miley said.

Packard then decided to equip himself with more facts, figures, analyses and details. "I think it was a normal reaction," said Miley. "We may have gone too far, and I suspect we did. And I suspect we're leaning in the other direction." But the fact-gathering did pay off.

There has been an emphasis on centralized policy-making and decentralized operation in the military. But in order to satisfy critics, the system has proliferated paperwork up and down the management chain—more detail, more paperwork more analyses, more briefings.

"Does this make us less efficient?" Miley asked. "It does consume more effort. If the payoff for this additional effort is a better weapon system, tighter controls, avoiding significantly large cost overruns, then there may well be a gain in efficiency. It's really kind of early to make a final judgment, but I think we're on the right track. The indicators are promising to me, at least."

The Fastcut move is on in earnest and will, according to Miley, be successful. "In the past," he said, "we have knocked out sizable numbers of reports and never reinstated them. It is a continual drive."

Part of the problem is the number of different development programs undertaken by AMC; currently there are 37 project-managed programs, each with a high-dollar-value reporting system. Miley reduced the problem by having standard formats developed, with standard review paraphernalia, standard procedures for programming and budgeting.

This is a quantum improvement over the old system. When AMC was established in 1962, it became a conglomeration of technical services and the logistics portion of the Corps of Engineers—each with its own system. Those systems perpetuated themselves through the early days of AMC. In

the last two or three years, there has been a concentrated effort to develop a standard system.

"For example," explained Miley, "we will soon have across the board in our depots a single automated system to run those depots—SPEEDEX. If you looked at those same depots 10 years ago, there were at least four or five different systems. We now have in our large commodity command at St. Louis, another system—ALPHA. It's very complex, but we've got the bugs out of it and it is now being exported into other commands, starting with the Missile Command. And we have every reason to believe that we'll get it spread throughout AMC in another two years or so."

Getting the Word Out

But does the paperwork impinge on getting lower echelons to respond to AMC- or DOD-originated directives or changes in philosophy?

"One of the complaints we've heard from various quarters," answered Miley, "is that because we're so big and the Department of Defense is so big, that even though a new policy or a new directive may be enunciated at the top level, it seems to take forever to get it down through the system."

"In the case of new acquisition policies, I sort of challenge that."

When Packard wrote his first letter to the Service Secretaries enunciating a major policy change, AMC instantly moved. "Within a few weeks," said Miley, "we had every project manager and commodity commander in to Ft. Belvoir (near AMC headquarters).

"We put them in a room and for a long day we laid out in detailed Dick-and-Jane fashion what the new policies were, what they amounted to, and what the impact was. We then required them to go back to their home stations and within 90 days—a very short time—make sure that every individual who was in the acquisition business get this education.

"Then to follow up, to make sure that we were talking to industry, in the next six-month period I had each commodity com-

mander conduct a similar seminar with the contractors he did business with."

Toughest of the new policies to get across was DOD Directive 7000.2, "Performance Measurement for Selective Acquisition." Guts of the Directive is the Cost Schedule Control System Criteria (CSCSC) built into acquisition contracts. Here the contractor's budgeted work is tracked against what was scheduled. Miley says that the AMC Should Cost and CSCSC efforts are bearing fruit—"even though the enthusiasm for them among our contractors has been somewhat less than hysterical."

The Pentagon, on the other hand, notes that contractors may use their own management information systems if they meet the criteria established in the CSCSC. The system is in wide usage. Boeing uses it in the *SRAM* project, North American on the *B-1*, and McDonnell Douglas on the *F-15*—all Air Force projects.

Some of the kinks in the system were ironed out by a Joint Logistics Commanders conference—General George Brown in the Air Force and Adm. Isaac Kidd of the Navy, Miley's counterparts in their respective Services.

"We produced a single, standard manual of terms, procedures and criteria. I have contractors now who, two years ago when we started out on this trail, were totally opposed to it. Now they have adopted it as their company system.

"But in the early months, that was a tough one." The Joint Logistics Commanders "got high marks from Mr. Packard because we did this."

The JLC has proved an effective forum for ironing out mutual problems and helps eliminate duplicated effort.

"I think our most recent adventure," said Miley, of the conferences, "was we took a look at the ammunition production business. The Navy and the Army have the big production plants; the Air Force has a little bit of production business, but not very much. Why shouldn't one agency do it?"

"Well, there are a lot of reasons why the Services think they should produce their



AMC's

own ammunition. formed the JCA Ammunition Production Commanders of given the authority production business authority to a lower off. For instance, bomb-making business does not use then cided to transfer business to the N

"The Big Five

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Much of that R what Miley calls largest developme the Army has ong gunship, the Util Aircraft System (U the Mechanized Ir (MICV). "Ahead ment and procure

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McDONALD



n. Miley

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effort is tied in with big five"—the five acquisition programs : a new tank, a new Tactical Transport (S), the SAM-D, and ry Combat Vehicle s is a big develop- job," said Miley. "all is the SAM-D, in the second year ment. We have built ent all sorts of new e control of cost."

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controlling production cost. "We will pay him an award fee incrementally through the development stage," said Miley, "if he appears on the track, we'll withhold the award. At the end, when we solicit the first production price on the quantity of production items, and if it's the one we're shooting for, we'll pay him all his award fee. So there is a carrot out there for this contractor."

• The employment of another contractor to help the project manager look over the shoulder of the contractor. The assisting contractor is known as the SECRAC (System Engineering Cost Reduction Assistance Contractor). "You can imagine that the prime contractor did not greet the SECRAC with warmth and joy," Miley told an AFMA/NSIA symposium last Fall. "A readout of the SECRAC efforts in finding ways of reducing costs has been very heartening," he told *Government Executive*.

Refreshing Change

Of the UTTAS, Miley visited both contractor plants—Sikorsky and Vertol—and noted: "There is no question in my mind that cost-consciousness is there—not only at the corporate level, but down at the design engineer level. It's really refreshing for me to see a design engineer concerned with costs."

AMC is now evaluating proposals for the gunship and expects to make an award in mid-June.

"We have very stiff design-to unit cost goals there—like \$1.4 to \$1.6 million. You can compare that with the estimates for the *Cheyenne* and you can see we've come down a long way. We just have to wait and see, but we think the airplane can be built in that price range."

On the tank program, "We're just out on the street"—soliciting proposals.

The MICV is in the initial design stage, but cost-consciousness is an important factor. The initial proposal called for dual rate titanium torsion bars "to give us the springy ride we want, but combine it with titanium to give us light weight. Well, they took another look at that and I think they're going to change to steel."

One of the greatest headaches Miley experienced was with the development of TACFIRE, the Army's last remaining total-package program. This sophisticated system ran into schedule and cost problems. "We think we turned the corner when we restructured the contract and got rid of the objectionable total-package features. We're going to have to watch that program very, very carefully, because we sort of contracted with OSD (Office of the Secretary of Defense) that in the next 18 months we can clean up the system, test it, and hopefully be ready to go into production, if it proves to be cost-effective."

Philosophically, he admitted, total-package procurement—introduced to DOD during the Robert McNamara

years—had all sorts of attractions. It promised a one-time decision on a contractor—to design, develop and produce a system to predetermined prices. But in developing systems where risk is involved, total package required the contractor to look ahead five years and determine a fixed price for production.

"It seems to me there's almost nothing good in it," he summarized. "I've been around here five or six years now and I can see no virtues, except that philosophical one."

Earlier this year, AMC realigned its organization of support structure. For instance, it consolidated the Munitions Command and the Weapons Command into a single command, the Armaments Command at Rock Island, Ill. It also consolidated elements of the Electronics Command headquarters in Philadelphia with the bulk of the headquarters located at Fort Monmouth, N.J.

The Mobility Equipment Command in St. Louis is being converted into the Troop Support Command. According to a DOD release, initially Natick Laboratories and other personnel equipment-related activities will be assigned to this command. Later, responsibilities for materiel handling equipment, construction equipment, and industrial engineering will be transferred to the Tank/Automotive Command in Detroit. And the Army depot system will be realigned.

Part of this organization shift is traceable to reduction in workload, part to simply improved management.

"When AMC was established," said Miley, "it behooved the Commanding General and the people that run AMC to make sure we moved away from the old technical service ways of doing things, old tech service philosophies, and old tech service emotionalism."

"We run our organization with the best people, regardless of what branch they come from. We have now such exotic arrangements as an Ordnance Officer commanding the Aviation Systems Command, and a Quartermaster General commanding the old engineering outfit which is now the Troop Support Command. And we have a quartermaster commanding the Tank Automotive Command. And below the commanders, we have the same mix of people. We are developing a corps of experts in this business."

Miley has also reorganized his Laboratories systems. Army operates a variety of laboratories which constitute "the breeding ground for fundamental new concepts." He looks to these labs for lower-cost materials and more durable ones, simpler and more reliable devices, lower-cost techniques of fabrication and integration.

"We found when we looked over the structure," he said, "that in our commodity commands we had many almost semi-independent laboratories, with many people reporting to the Commanding General there."

"Over the past two years we've come up with what we call the standard commodity command structure. We put all the R&D laboratories and elements under a single chief."

This chief is in charge of a particular discipline; laboratories are designated lead labs. For instance, one laboratory may have a concentration of expertise in one field—lasers, radars, or night vision—with technology-related work done in a different laboratory.

What Miley has done is to designate specific laboratories as lead labs in specific technologies. There are now 14 such lead labs. This lead lab director is made aware of all work done in all laboratories in a specific technology. He sits in during budget formulation and advises which areas of work look promising and should be funded more; which look less promising.

"Major Thrusts"

Since the R&D budget consists of thousands of "little bits and pieces" of effort, "It's hopeless for a guy in my job, or even the commodity commanders, to review this thing. So we came up with the idea about a year and a half ago of major thrusts." Those efforts that promise to be of greatest benefit to the Army in time are identified as major thrusts and have priority funding. "We've identified in each commodity command, in each laboratory, two, three—four at the most—major thrusts."

"It caused great heartburn," Miley admitted, "because some of those things that were underfunded were old pets." And he has to guard against a tendency "to make everything a big thrust. We have to sort of counter-attack, to make sure that we're only identifying important things as major thrusts."

Throughout almost every effort in AMC is a heavy lacing of contracting expertise. "Contracting, *per se*, is I guess the most exacting work we do," Miley said. "We are required by law to insure that we buy our goods and services by competition. And the toughest thing we face is getting, on the basis of price competition, competent contractors. It is so easy to bid a real low price, get the award, and then hope the Government will bail you out."

"We have spent more effort in the last two or three years on upgrading the people who do our contracting business."

He went to the Department of the Army and told them that if contracting is so important, at the big commands where the big procurement is done there should be a general officer. His thinking here was that if the Army really wanted to attract competent young officers into the procurement field, it should show them that procurement jobs can lead to a star. "We have

Brigadier Generals at four of our commands in such assignments now," he said.

And he did not ignore the civil service sector in this philosophy. He decided that the Brigadier General should have a super-grade civilian "as a running mate"—because the general could, and probably would, be moved to other assignments in the procurement field. The Secretary of the Army endorsed this idea, as did J. Ronald Fox, Assistant Secretary for Installations and Logistics.

"And by golly, we got him." GS-16s are being selected at AMC headquarters. Miley also mixed the personnel backgrounds, searching for "top-flight people." One has Navy experience and another has a background in NASA.

He proved another point to the non-unionized: procurement business can lead to supergrades.

Miley is high on procurement schooling and encourages his staff—military and civilian—to attend.

He has also required commodity commanders to identify key negotiators. He described what the criteria should be, and each commander and laboratory director has complied. "When we look for the name of the guy who is negotiating a multimillion-dollar contract," Miley said, "it better be from that list."

In the material acquisition cycle, the most dramatic development has been the introduction of user testing at three stages during development and acquisition cycle.

"In all our big programs that are either out on the street now or contracted for, we require that when the first breadboard system is available the user agency be contacted and be given a chance to comment on the new gadget."

Point of Decision

"Later on, when we've got some R&D pilots, we are required under the new mandate to furnish two or three of these to the user, let him test and evaluate them, and advise us as to what is good or bad about the item."

Out of the production batch, AMC is required to give the user a number of the finished items for actual field exercise.

"I do caution people," Miley said, "and I hope they're listening to me—the user has to speak up loud and clear the first two times. We can make changes then, as long as we're dealing with a bread board item or an engineering pilot."

"But once we've set up a production line and spent considerable money on hand tooling, and we've got a production line running—he can't come in and say 'I don't like it at all.'"

(General Miley became CG of AMC in November 1970, after having served as Deputy since June 1969. A 1940 graduate of the Military Academy, he spent 48 months in the Pacific during WW II. In April 1964, he was named director of Procurement and Production at AMC headquarters.)

Highlights:

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"Our EEO goals must be realistic and challenging. That's what I am striving for right now," commented Lieutenant Colonel James L. Lorder, Jr., MICOM's new equal employment opportunity officer.

"Of course the freeze on employment has had an effect on the EEO program. From what I've seen at MICOM, the program is well organized and receives maximum support."

When asked about the future of EEO at MICOM, he had this reply: "It seems to me that the outlook is a good one. Certainly, there will be changes just as there would be in any program as new ideas develop. What we are striving for is realistic thinking in terms of what goals can be met. It will do no good at all to project goals if we know they are completely out of reach."

According to Lorder, an analysis of available minority skills in a seven county commuting area has been completed. Results of this study will be used as guidance in establishing realistic goals for the remainder of Calendar Year 1973.

Lorder came to MICOM from the Tank Automotive Command (TACOM), Warren, Michigan, where he served as Secretary of the General's Staff and later as Executive Officer of the Directorate for Maintenance. He is not, however, a newcomer to Huntsville. He was stationed at Redstone about ten years ago when he served as project officer for field artillery and anti-tank missiles in the Supply and Maintenance Directorate.

Although this is his first executive level position with EEO, he says that he has had a considerable amount of experience



LTC LORDER

with equal employment through his other assignments.

Lorder lives with his wife and youngest son in Huntsville. His two older children are attending college in Texas "I requested assignment to Redstone and I'm very glad to be back."

Optical Shop

An optical shop for Redstone PX patrons has opened in building 3475.

The shop fills prescriptions for eyeglasses and contact lenses, replaces broken lenses and sells, repairs and adjusts frames. No examinations are given.

Patrons may choose from approximately 150 styles of frames and a variety of lenses including photo-gray and tints in green, pink, blue and gray.

The shop offers six day service for eyeglasses — 10 day for contacts — and is open from 9:30 a.m. to 5:30 p.m. Monday through Friday, and from 9:30 to noon on Saturday.

Outgrowing High Food Costs

In these days of high prices and inflation, everyone is figuring how they can do more with less. Some MICOM employees have turned to part time farming as a means of reducing food bills.

Irene Maples of Missile Intelligence lives in Madison, Ala. She has a half-acre garden and raises turnips, onions, radishes, green beans, lima beans, butter peas, cucumbers, squash, green peppers, okra and watermelons.

She said: "I got tired of paying high prices for vegetables in the supermarkets and finding them limp and shriveled. Since I have a garden I can be sure my vegetables are fresh and of the highest quality. What I don't eat or give to my married children, I put in my deep freeze for winter.

BETTER TOO

"When the squash in my garden were ready to eat, squash were selling for 59 cents a lb. in the stores. My green beans were a lot better than those selling for 69 cents a lb., so I think my garden is helping beat the high prices and giving me better vegetables.

"When people ask me if the price of gardening has gone up, I can truthfully say that I haven't found

too much difference in the prices of most seeds and fertilizer. The only thing I noticed higher this year was my onion plants...and the papers say onions are sky high everywhere. Gardening is helping my food bills and I enjoy working the vegetables and watching things grow," Mrs. Maples concluded.

Bob Brimer of the Comptroller office, in his third year of gardening, has expanded and now he and two other men are gardening two and one-half acres. They are raising corn, tomatoes, squash, cantaloupe, watermelon, peas, broccoli, cauliflower, beets, cabbage, onions, turnips, peppers, radishes and lettuce.

As Brimer put it: "I didn't start gardening to fight high prices, but it has turned out to be a good idea. I like to be outside and gardening is good exercise and profitable.

"My wife put up 24 quarts of tomato juice and it was the rich kind with no water added like you get in the commercially canned stuff. I tried an experiment and made 12 quarts of sauerkraut...and it's delicious.

RATHER FARM

"We get all the vegetable we can eat, fill our freezers, and still have enough to sell to defray the costs of

seeds, gasoline and fertilizer. I was raised on a farm and I like to see things grow. I used to like golf, but I prefer farming to golf now.

"There are six other people in my office who are raising vegetable gardens. They are enjoying the benefits of raising their own vegetables cheaper than they can buy them. I know I can see that my gardening efforts have helped cut our food bills."

J.L. Moon, a MICOM employee who retired earlier this year has the right idea. He has a three-acre garden and has been raising vegetables for a good many years. What his family doesn't consume or freeze, he sells at reasonable prices to friends, neighbors and passersby.

Since he has been gardening for years, Moon can remember when green beans sold for 3 cents a lb. and some vegetables could hardly be given away.

Discussing his gardening, Moon said, "I just want a garden big enough for me to take care of. I feel better working in my garden...it helps me stay young."

Whatever the reasons, more and more MICOM employees are

(Continued to page 11)

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- 1971 FORD GALAXIE 500—2-Dr. Has air and power, and Cruise Control. Fine condition. Was \$2375.00.
- 1971 BUICK RIVIERA—Doctor's car. Has all Buick extras. Cost approximately \$7500. A. Beauty. Was \$3995.00.
- 1971 FIREBIRD—Air & power. Local ladies car. Mint condition. Was \$2995.00.

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turning to part-time farming. While many say high prices weren't the main reason for their venture into agriculture, all agree it is good to have fresh, high quality vegetables at lower costs.

NOTHING NEW

Gardening, canning, preserving, and freezing fruits and vegetables are nothing new for Sarah Mathis of Station Supply and Stock Control.

"We got married in 1930 when there was a depression and we started then to raise our own stuff and can it," she said.

"Now we have two freezers and three refrigerators with freezer compartments and we keep them full. My husband is retired, so he has time to tend things. He helps out at a strawberry farm, we have fruit trees in the yard, we get fruit from neighbors, so I put up lots of preserves and jellies.

"This year he's sharing a truck farm with another man. He says the corn is fixin' to come in, so we'll be freezing that. When there's a lot to freeze or can everybody pulls in and helps.

"We've got a garden at the house too and put out several tomato plants every week to keep that crop coming. I make juice out of tomatoes or cold pack them.

"There's no telling how much we save. It must be over half on the grocery bill.

"I like to work two or three hours after I get home (she lives on Guntersville Lake) the exercise makes you feel good.

A LITTLE WORK

"You hear all of this about food shortage, but people wouldn't starve if they knew how to garden. I love to work and have home canned and frozen food. I've always gone in for raising stuff and canning."

Thelma Smith, who helps with the reproduction machines in Bldg. 5250, says she has always lived on a farm in Etowah County, so a big garden is a natural.

She rides 152 miles round trip everyday to get to and from work, and going out to tend an acre garden in the evening is relaxing for her.

"When things are ready to freeze, I let my other housework go during the week. I've got some leave I can use this year and plan to take when the garden stuff comes in," she said.

"No, I've never tried to figure how much I save with home frozen food. I know there's no saving in freezing pork because there's only my son and me and pork won't keep long."

Her uncle lives next door and does the garden plowing. "Otherwise I couldn't manage it all," she said. "My aunt used to put up the vegetables, so when she died I just took over."

When your pay check isn't very big, you have to dig for a living.

And dig they do, very literally — many of the men who drive the buses and taxis at MICOM. They have big vegetable gardens.

Typical of them is Arthur Hawkins, a bus driver, who said, "Mostly we raise the gardens and our wives do the freezing and canning.

"I know we save. We're bound to, and then last summer my young daughter sold \$185 worth of tomatoes out of our garden at 20 cents a pound. The whole family lives out of our freezer. I've got a married daughter, and she gets stuff out of the freezer too.

GOOD MEAL

"You sit down to a table with beans, squash, okra, tomatoes and other garden stuff, have a big batch of cornbread, and you've got a good meal.

"Mostly we freeze vegetables, but we make kraut out of the cabbage — you know, you cut it up, put it in the churn and let it work, then can it."

Hawkins has a system for good

gardening. He has an eight horsepower tiller he used to plow an 85 by 54 foot plot. Late in the fall he plows in the dead vegetable and plants and sows clover. In the spring he plows under the clover.

During the summer, he collects grass clippings in a box at one corner of his garden, adds a little lime and commercial fertilizer, then in the Spring has good rotted material to spread over his garden.

He has pretty well conquered nut grass too.

"You dig down deep with the tiller, down to the hard clay, and that runs up the nuts on top of the ground. Now of course you could turn hogs into your garden and they'll get rid of the nuts, root 'em right out and eat 'em, but you can't keep hogs in town."

As some of his first crops mature, he plows the ground where they were and plants black eyed peas and late tomatoes.

His garden includes almost all vegetables except corn and potatoes. "Takes too much room for them," he said.

SHOPPING NOT BIG TASK

For the Loyle N. Herrins gardening is a way of life. He is retired now, in fragile health, but Mrs. Herrin loves gardening. They have not completely run out of last year's take from their vegetable garden. They can and freeze so much that they only have to visit the grocery for such staples as flour and sugar.

Mrs. Herrin continues to work in the Management Information Systems Directorate. Mrs. Herrin retired from the Army in 1957 at Ft. Benning, Ga., and became an employee of the Army hospital when they returned to their native Madison County.

The Herrins are no strangers to farm life. In Cullman County they raised all kinds of domestic animals and fowl with the exception of sheep and geese.

Now, their backyard in the Belmont subdivision of Huntsville is almost completely filled with growing vegetables and clumps of flowers to add the spice of color....suburbia in an urban setting.

More Sponsors Needed

Where is our hospitality?

The Missile Command is still seeking sponsors for the civilians planning to move to Alabama with their jobs in the 2.75 Rocket System project office from New Jersey.

Only five have volunteered and about 25 are needed.

There isn't much to it and being friendly is fun. These newcomers will be visiting Huntsville prior to their move to find a house and look us over.

They don't know anything about our town or area and need someone to show them around.

If you are interested in being a member of the hospitality committee call F. B. Adams, Civilian Personnel Division, 876-2147.

Chapel Plans Youth Retreat

An ecumenical youth retreat is being sponsored by the Redstone Post Chapel Friday evening and Saturday at the Marshall Youth Camp near Guntersville.

Approximately 100 Catholic and Protestant young people are expected to attend.

Retreat leaders will be Reverend Frederick Hunt, Jr., Washington, D.C., and Father Phillip O'Kennedy, Holy Spirit Church, formerly from Ireland.

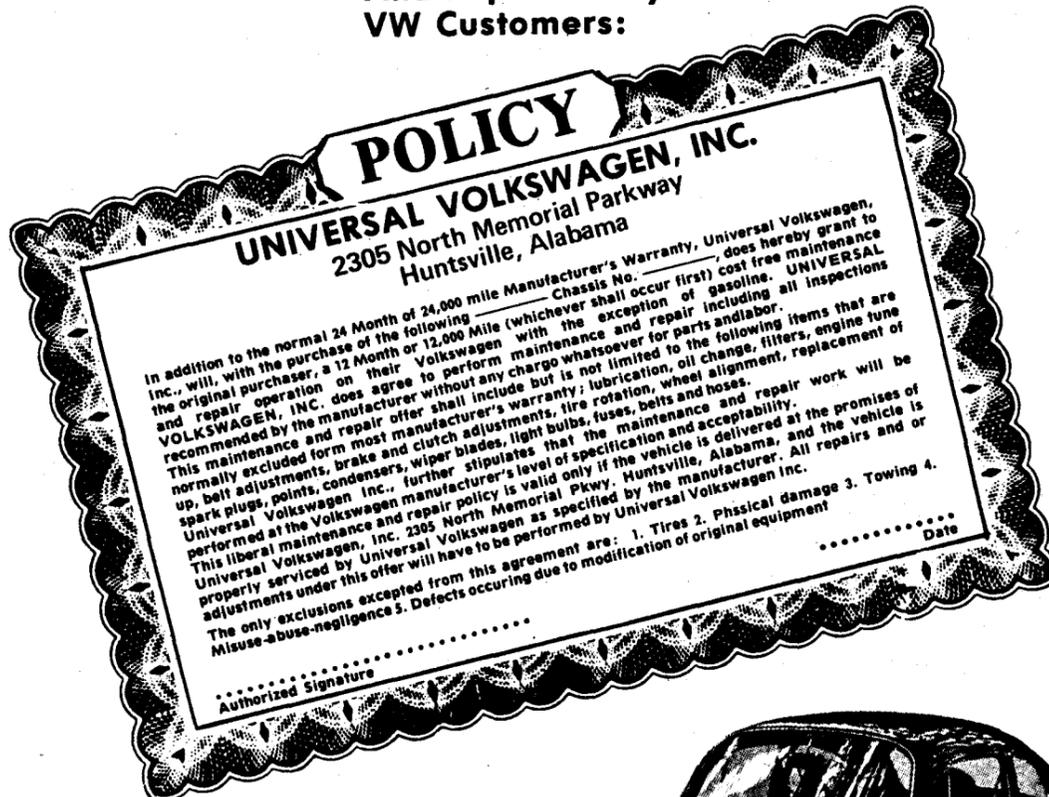
Those planning to attend should register at the Post Chapel before Friday.

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Slo-Pitch Season Playoffs Remain

Barring another rain-delay on Monday evening, the way should be clear for the season ending playoffs in civilian slo-pitch softball activity.

The regular schedule of games in the CWF League was to have ended Monday with the big battle between the defending champion MISD outfit and the challengers from Materiel Management.

Next in line is the annual playoffs and the post season struggle between Army teams and those from the Marshall Center for Arsenal supremacy in slo-pitch play.

The challengers took a one-game lead into their big battle and needed one win to wrap up the seasonal title. MISD needed a double win to retain their title.

Last week's action was limited to a single night when rain wiped out Tuesday's schedule but let up long enough to permit play on Thursday.

Materiel Management came out the winner in two of the games following a 20-2 conquest of GEM and a 19-4 romp over Finance and Accounting. MISD had just about as easy a time in routing Metrology, 16-4, and Missile Systems clipped Safeguard, 13-5.

Stuart Stout and Dave Blackwood got three hits apiece and each drove in five runs as Lindon Calvert hurled MM past GEM. Paige Stagner chipped in with a perfect four-for-four performance

for the winners while Dean Reese's two-run homer accounted for all the GEM offense.

Blackwood, Jerry Williams, Dave Bryant and Calvert collected a dozen hits between them and drove in eleven runs in the win over F&A.

Russ Ward pounded out his twelfth four bagger of the season and Jerry Arszman collected three hits as MISD waltzed by

Second SCUBA Session Starts

Applications are being accepted for the summer's second SCUBA class at the Officer's Open Mess. An organizational meeting is scheduled for July 24 at 6 p.m. at which time the de-

Metrology. Doug Peavey picked up the win over Ray Wernle.

The Missile Systems win over Safeguard was a Charley Lovejoy show as the muscular third sacker belted a couple of drives beyond the fence in left field to account for six runs.

Tom Johnson picked up the win as Ken Lomax and Glen Smith turned in four double plays that thwarted the Safeguard attack.

tails of the course will be discussed.

Sanctioned and certified by three leading United States diver certifying agencies, this basic course is designed to prepare the student diver in the fundamental aspects of sport diving. Completion of the course qualifies the student for certification by the National Association of Underwater Instructors (NAUI), the Young Men's Christian Association (YMCA), and the Professional Association of Diving Instructors (PADI).

Instructors will be Rick Waldrop and Ray Marlow, both experienced and certified instructors, American Red Cross water safety instructors, and qualified senior life savers.

For more information, call or see Major Rick Waldrop at 895-3390 or 837-4949, BOQ 133, A-3.



NEW DIRECTOR — Colonel Marvin L. Worley, Jr., has been named to the position director of Maintenance succeeding Lieutenant Colonel Daniel S. Fugit, who retires this month. Previously, Worley was Deputy Director of the Redstone Arsenal Support Activity.

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Co. A Grabs Lead In National League

NATIONAL LEAGUE

In a first-place showdown last week, Company A grabbed the inside track to the National League championship with a 5-4 victory over MICOM I. The A's finished the week with a 15-2 record, while MICOM I stands at 15-3.

Company A never trailed in their triumph after Marvin Williams led off the first inning with a homerun. Williams had three hits for the night and scored twice, while teammate Quentin Diggs singled and scored twice. Winning pitcher Cal Done held MICOM to six hits, but it took a great play by catcher Roy Lester to save the game for the A's. With the lead run racing home in the sixth inning for MICOM, Lester pounced on a slow roller in front of the plate and threw out the runner while flat on his face.

MICOM I rebounded to beat the Marines, 8-6, on the same night. Gene Howey paced the winners with three hits, while Rich Northcraft tripled in the winning run in the sixth inning.

The 6th ETC scored nine runs in the first inning, then had to hold on for an 11-10 victory over the 8th ETC. The 8th ETC actually tied the game in the sixth, but Ken Stressman drove home Pat Few to win it for the 6th in the bottom of the inning. Stressman and Few each collected three hits and Bill Smith and Mike Edwards added two apiece for the 6th. Campbell had a homerun and two singles for the 8th.

The Marines lashed out 16 hits to rip the 8th ETC, 14-6. Emery

Unit Level Standings

American League

	W	L	GB
MICOM II	18	0	
MPs	12	5	5 1/2
Company C	11	7	7
Meddac	9	8	8 1/2
Safeguard	7	11	11
4th ETC	4	12	13
9th ETC	4	12	13
1st ETC	3	13	14

National League

	W	L	GB
Company A	15	2	
MICOM I	15	3	1/2
Marines	9	7	5 1/2
8th ETC	5	10	9
6th ETC	6	12	9 1/2
P & P	3	11	10 1/2
95th Cal	3	11	10 1/2

Hutchings had three hits for the Marines. James Warren added a homerun and James Stewart tripled twice for the winners. Rusty Fee and Dave Bomba had two hits for the 8th. It was a critical loss for the 8th, which continues to battle the 6th ETC for the final playoff spot in the National League.

Company A throttled the 6th ETC, 11-2, in the final action July 12. Four players had two hits apiece for the As, who got a homerun by Charles Reese. Bill Smith and Ken Stressman got two hits each off winning pitcher Marvin Walker.

AMERICAN LEAGUE

Terry Harding's no-hitter and MICOM II's continuing quest for an unbeaten season highlighted American League softball action during the past two weeks.

In games played July 2, the MPs beat Company C, 12-6; MICOM II edged the 1st ETC, 13-10; the Meddaes whipped Safeguard,

10-4; and the 4th ETC beat the 9th ETC, 14-7.

Harry Thomas had three hits and five RBIs in the MP win over C. Ernie Williams and John Thomas each added two hits. Tom Vanis homered for Company C.

MICOM II rallied from a 10-5 deficit in their victory over the 1st. Mike Spry's two homeruns sparked the comeback, while Max Lawson and Don Watson also homered. Lawson had four hits for the night.

Chris Wanzer had a homerun, double, and single to lead Meddac to its 10-4 win over Safeguard. Terry Harding, Glenn

Makin and Don O'Neill added two hits apiece for the winners.

Barry Brawner had three hits to pace the 4th ETC to its win over the 9th. A seven-run sixth inning keyed the victory.

No-hitter

Terry Harding's no hitter last Monday against the 4th ETC was almost lost in the Meddac offensive avalanche, as the winners scored 12 runs in the first inning and came back with 16 more in the second enroute to a 35-0 victory. Offensive highlights included: 6 runs batted in apiece by Harding and Tom Bigham, home-runs by Bigham and Chris Wan-

zer; four hits each by Glen Makin and Bigham; and five runs scored by Wanzer, Bigham and Manny Chavez. The only man to reach base against Harding got there on a dropped third strike.

Safeguard beat the 9th ETC, 11-7, last Monday. Wendell Tanaka led the way with three triples, while Jim LaBore and Eddie Bryant added two hits each. Newberger homered for the 9th.

MICOM II needed some late lightning to beat the MPs, 10-5, last Monday. The league leaders trailed 5-3 in the final inning, but two walks set the stage for

(Continued on page 14)

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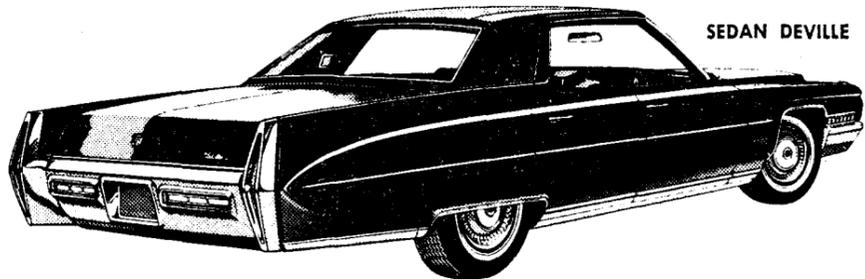
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Co A Grabs Lead

(Continued from page 13)

Al Ashton's three-run homer and a subsequent three-run double by Bill Cassimus iced the game. Ashton had two homeruns for the night.

In final action last Monday, Company C blasted the 1st ETC, 14-4. Mike Oury had four hits for the winners, while Ron Hall, Bob Wagner and Clinton Jones added three more apiece. Hall's hits included two triples, while Jones had a homer.

MICOM II rolled past Company C, 11-3, last Thursday. Lynn Ash had a double and triple and Ron Lockwood homered to spark the winners.

Company C came back on Friday with their best showing in a long time—a 12-0 whitewash of the Meddacs. Tal Ledford had

three hits for Company C, while Tom Vanis, Fred Helmer, Cleophus Givhan and Clinton Jones added two each. Helmer allowed the Meddacs only three hits.

Little League

Final On Friday

Redstone is hosting the Southeastern Military Little League tournament this week with all of the action at the diamonds on Goss Rd.

The tourney got underway yesterday following the opening day ceremonies and will be concluded on Friday.

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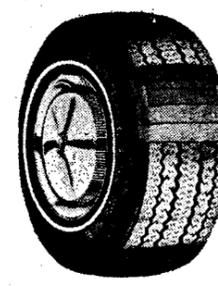
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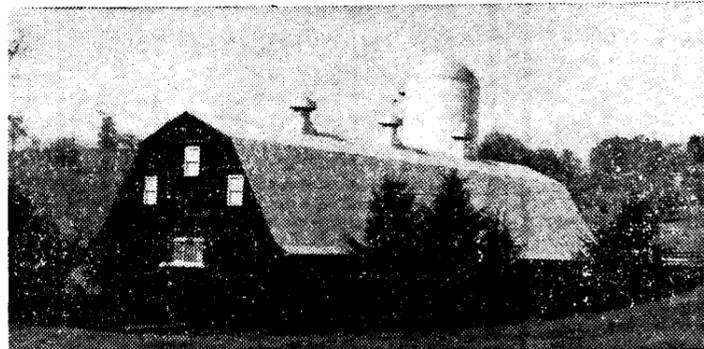
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NAMES IN THE NEWS

By SP4 Larry Marsh

Specialist Four Thomas E. Deibert took the big plunge last week as he signed up for another five years. Deibert is a native of Aberdeen, S.D., and is a 1971 graduate of Roncalli High School there. He took his basic training at Ft. Lewis before coming to Redstone. Assigned to Company B, Deibert works as an instructor in the Vulcan Branch.

to Company C, he works as an information specialist. Entering the Army in December, 1971, Marsh is a 17-month Redstone veteran. A native of Glen Ellyn, Ill., he plans to return to the Chicago area upon ETS following a month's vacation in Europe. He holds a journalism degree from Purdue University.



DEIBERT MARSH

Honor graduate of his Nike repairman course that graduated last week was PFC George J. Bouwman, of the 5th ETC. Bouwman hails from Hamilton, Mich., and holds a 1972 B.S. degree from Western Michigan University. He entered the Army last December and took his basic at



BOUWMAN LEWIS

Ft. Knox.

Recently arrived at MMCS from Okinawa is Specialist Four Melvin F. Lewis. A native of New Orleans, Lewis entered the Army in June, 1971. Assigned to Company C, he works as a generator repair instructor at MMCS. He is a 1970 graduate of Walter L. Cohn High School in New Orleans. Lewis recently re-enlisted for Redstone Arsenal, saying he had met a lot of Redstone Arsenal soldiers and decided to see the place for himself.

Specialist Four Lawrence E. Marsh has been named Post Soldier of the Month. Assigned

MMCS Wives Greet Newcomers

The MMCS Officers Wives group will hold a coffee to welcome newcomers to the school tomorrow at the Officers Open Mess. The permanent reservation list is not in effect and cancellations close at noon today.

The coffee will begin at 9:30 a.m. in the Safeguard Room.

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Laser Terminal Homing Studied

The Army Missile Command has established a new management office to develop both ground and airborne Precision Laser Locator Designators.

Major Phillip Williams, Chief of MICOM's Precision Designator Concepts Team, who directs the new program, said the management office currently has 11 people but is expected to increase its staff to 18 by the end of the year.

"Our job is to provide guidance for terminal homing weapons," Williams said. "We'll be working closely with several weapon programs utilizing terminal homing as well as vehicle commands that might be adapted to that role."

The ground version will have tri-service application.

Williams said MICOM has four contractors fabricating advanced development prototypes—Hughes and International Laser Systems on the ground version, Philco Ford and Bell Aerospace on the airborne version.

"Later this year, the Army will evaluate contractor prototypes and proposals. At that time, we could select one contractor for the ground version and another for the airborne role. . . to go into engineering development."

Laser guidance was developed in laboratories at the Missile Command which for years has conducted a research program

testing prototype missiles against tanks and other hard point targets.

The new guidance technique makes possible a variety of Army weapons which could have both direct and indirect fire capabilities.

JAMTO Operates In New Location

Arsenal persons wishing to transact personal or pleasure airline business are invited to visit the new JAMTO office in rooms 4 and 5, building 3488.

The telephone extensions at the new location remain the same.

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