

THE REDSTONE ROCKET

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DECEMBER 23, 1970



SANTA VISITS REDSTONE—Santa dropped in on classes at the Redstone Arsenal Pre-School Friday morning, took orders for Christmas Eve, distributed candy to everyone, and promised to visit again tomorrow night. He suggested cookies and milk would help sustain him on his nocturnal journey around the world.

No White Christmas But Watch For January

Although Huntsville Weather thus far has been mild, "old Timers" are predicting that the "Winter of 70" will be one of the worst on record. Meteorologists at Redstone say there's a chance, but it's too early to tell.

Prophets point to such signs as the thickness of animal fur, the flight of birds, the webs of spiders, stars in the sky and a report by a Massachusetts state bee inspector who claims that bees in his state worked long into the fall getting ready for winter.

To find out what the winter

NO PAPER NEXT WEEK
The Rocket traditionally is not published the week between Christmas and New Year's Day. We will be back with you on Jan. 6.

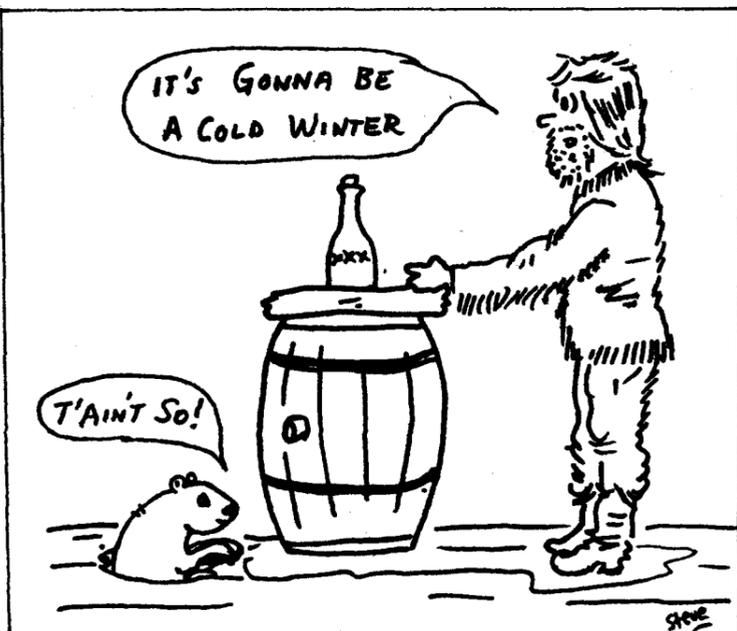
would be like, the Rocket went to weather experts from the Aerophysics Branch, Physical Sciences Laboratory of the Army Missile Command Research and Engineering Laboratories.

Commenting on biological weather indicators and the possibility of a cold winter, Dr. Oskar M. Essenwanger, Chief of the Aerophysics Branch said:

"I believe biologists say that animals are not as sensitive to future weather as most people think. Take an animal's fur for instance. Many people believe that fur thickness is indicative of the winter ahead.

"If animals could sense a severe winter approaching, you would not find such creatures as insects freezing to death. Most animals start off with a thick

(See WEATHER on Page 13)



Sunny Cloud, the Arsenal Weather Prophet



Mrs. Ausman Saves Life Of Co-Worker

Quick action by a fellow worker at the U.S. Army Missile and Munitions Center and School saved an employee's life early Dec. 10.

Mrs. Bettye Ausman, secretary for the Chief of the MMCS New Materiel Branch saved the life of a co-worker after he suffered a heart attack at his desk.

A co-worker's sudden change from the appearance of a healthy person to that of a person fighting for breath brought cries of help and a rush of disorganized people to his aid.

Eyewitnesses state that Mrs. Ausman quickly diagnosed the situation and took charge with "professional skill and dispatch, offering words of encouragement to the victim and directing other people to assist her." She massaged the victim's heart, restored his breathing and heart-beat with quick and decisive actions.

Doctors described the heart attack as severe, and stated that "if quick and correct action had not been taken at the crucial moment the victim would have died."

LTC D.S. Hanline and Maj (See CO-WORKER on Page 2)

Army Adopts New Management Plan

The Directorate for Personnel Training and Force Development, at the Army Missile Command, has received a major change in enlisted personnel management recently adopted by the Department of Army.

Adoption of a qualitative management program for career enlisted men is considered a major step toward improved professionalism within the Army. This new program provides for improved career program and promotion flow, early career termination for the non-productive, and screenout of the non-productive.

The Department of Army will evaluate the results of enlisted efficiency reports and MOS evaluation tests to identify personnel for screening. Review boards will be convened to evaluate the complete record of individuals identified by the screening process.

Department of the Army will convene review boards for grades E-7 through E-9 with review boards convened in the field for grades E-6 and below. Personnel confirmed as qualitatively unsatisfactory by review boards will be denied

reenlistment.

One major feature of the new program is the establishment of a mandatory separation point for each enlisted grade. Provision will be made to accommodate personnel on promotion lists to allow for completion of overseas tours and to facilitate exceptional cases. Current reenlistment contracts are not affected. Under the new change reenlistment will not be offered to personnel beyond the separation points listed below:

| Grade | Separation Point |
|-------|------------------|
| E-9 | 30 years |
| E-8 | 27 years |
| E-7 | 24 years |
| E-6 | 20 years |
| E-5 | 12 years |
| E-4 | 8 years |
| E-3 | 3 years |

A second major feature of this program provides for a screening process to deny reenlistment to persons who have proved to be non-productive.

The Qualitative Management Program will be incorporated into Army Regulation 600-200 as a separate chapter and will be phased into full implementation by (See NEW on Page 2)

Hawk Gains New Project Manager

Col. Harry A. Buzzett has been named Hawk Project Manager at the Army Missile Command.

The new Army missileman, who comes to Redstone from Vietnam where he was Artillery Commander for the 25th Infantry Division, replaces Col. J.R.M. Covert who was reassigned to the Safeguard System Command as Commanding Officer of the Army Air Defense Field Office there.

As Hawk Project Manager, Col. Buzzett will have complete responsibility for an air defense weapon that can seek out and destroy high performance aircraft and air breathing guided missiles at low altitudes.

A native of Apalachicola, Florida, Col. Buzzett is a graduate of the U.S. Military Academy. He also earned a masters degree in Electrical Engineering from Georgia Institute of Technology and holds a masters in International Affairs from George Washington University.

He is a graduate of both the Command and General Staff College and the Army War College.

In addition to Vietnam, Col. Buzzett, a veteran of three wars, has served in Korea, Europe and a variety of assignments across the United States. He has been awarded the Legion of Merit, Bronze Star with V device and two Oak Leaf Clusters, Meritorious Service Medal, Air Medal with V device and 10 Oak Leaf Clusters, and an Army Commendation Medal with Oak Leaf Cluster.

Among hobbies, he lists hunting and fishing.



COL. H. A. BUZZETT

Col. Buzzett is married to the former Catherine Austin of Apalachicola, Fla., and they have six children, Michael 18, Ellen 14, William 12, Lisa 10, Cecilia 7 and Joseph 6.

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The Redstone Rocket

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Rocket Ruminations

Impropriety is the soul of wit.

-Maugham

1970 Christmas Message

"Peace on earth, good will toward men," conveys the spirit of Christmas and reminds us that those who contribute to the goal of attaining peace on earth are working to achieve one of the noblest aims of mankind.

It is my sincere wish that each of you and your families will experience the true joys of Christmas during this traditional Holiday Season and my hope that the New Year will be brightened by the advance of freedom, good will, and understanding throughout the world.

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CO-WORKER

(Continued From Page 1)

Robert Bradley have nominated Mrs. Ausman for the Meritorious Civilian Service Award for life saving actions as a result of her heroic actions.

Mrs. Ausman a native of Hackleburg, Ala., is the wife of Col. (Ret.) Robert P. Ausman. She has been employed at MMCS since June 1967, and has received numerous letters of commendation and Outstanding Performance Ratings since being employed in the Federal Civil Service program.

NEW

(Continued From Page 1)

July 1971.

It is one of a number of Department of Army programs which improve enlisted professionalism and promote progress towards a modern volunteer army. Other related acts of this nature include centralization of the enlisted promotion selection process, establishment of career management field, NCO educational system (NCOED) and MOS reclassification.

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Holiday Message

"At no season of the year does the word 'home' take on more meaning than during the magic of the Christmas holidays. Lighted Christmas trees send their warm glow into the night, plumes of smoke spiral into the crisp December air from fire-place chimneys. But in that glow, in that smoke, are reflected persistent questions—how many lives will be lost again by fire this holiday season? How many families will look back to Christmas as the anniversary of personal tragedy?—Tragedies for too many people. It is not pleasant to inject restraint and caution into the holiday season, but unfortunately fire, and its companion, tragedy, know no holiday. Published safety rules for fire-free holidays are really very simple. Observe them faithfully and make Christmas a happy memory as a prelude to a shining New Year."

"The Fire Chief"



EXCEEDS GOALS—Col. Louis Rachmeler, Deputy Commander of the Army Missile Command, accepts a commendation plaque from Don Redmon of the Army Materiel Command Quality Assurance Office. The Missile Command got the award for exceeding 1970 value engineering goals. Redmon did the honors during a meeting of the Army Materiel Command Value Engineering Council held recently at Redstone Arsenal.

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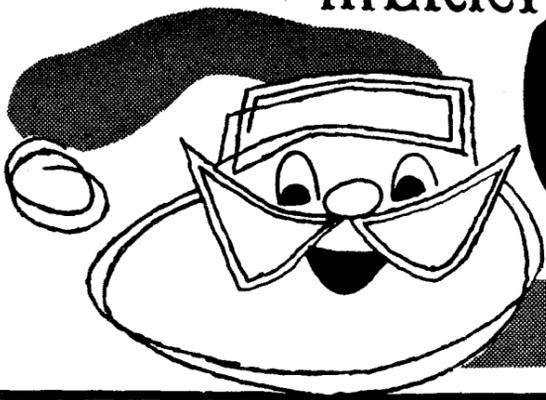
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Caring Is Year Round For Some

Santa's elves show up at Redstone around Christmas time in many guises.

For instance at the National Maintenance Point in the Mis-

sile Command's Supply and Maintenance Directorate, they have located a box for canned goods near the Christmas greeting tree and have circulated a Scrooge

letter appealing for help for Christmas Charities in Huntsville.

The 291st Military Police Company, wearing MP brassards and riding jeeps, may not look much

like the popular picture of elves, but this year they are following established tradition by providing transportation for Christmas Charities packages to the underprivileged in the community.

The Redstone Toastmistress Club elected to provide a Christmas party and personal gifts for each child at the Juvenile Detention Home in Huntsville. The group is also assisting in educational activities at the Home, and they have provided two tape recorders with teaching material and story tapes for that purpose.

In the Data Processing area in Bldg. 5678, a lunchtime "Sewing Circle" has been busy for some

time — fashioning hand-made stuffed toys to be distributed by the Salvation Army. The seven-member group includes Dene Boles, Marie Ziak, Lettie Morrison, Johnnie Thompson, Frankie Wittig, Mattie Lacey and Florence Setterlund.

The National Inventory Control Point in the same Directorate obtained the name of a needy family from Christmas Charities and has gathered food, clothing, toys and money for the family of 9 children ranging in age from four to 17 years. The father is hospitalized with cancer and cannot support his offspring.



NICP CHRISTMAS PROJECT—Personnel of the National Inventory Control Point used their annual Christmas project to provide assistance to Operation We Care, a Huntsville-Madison County program of morale support to the men at the 93rd Evacuation Hospital in Vietnam. The \$350 donated in the NICP will go for the purchase of a portable television and tape recorder. Jane Jansen is shown here presenting the check to Col. H.T. Mitchell, one of the co-chairmen of the community project. LTC Clarence Oaks, logistics officer for the NICP, is at the left and Jean Adams, co-chairman with Mrs. Jansen for the Christmas project, is at the right.



SANTA'S HELPERS—Redstone Cub Scouts of Den 4, Pack 234, decided to do away with traditional gift exchange this year to give gifts in stuffed stockings to children in the Post Hospital. They even made the stockings in which they packed gifts and candy. Members of the Arsenal Den are, from left, Gregg Thonus, Doug Bibey, Wallace Johnson, Mike Bradley, John Mendenhall, Jim Bregard, Don Eldredge, Jeff Fishback and Don Jones. Mrs. L.B. Jones, Den Mother, assisted the scouts.

Christmas Wishes

Jolly good wishes for a happy holiday are coming your way from Santa. Merry Christmas!

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NAMES IN THE NEWS
 SP4 JERRY BERG



CW3 JAMES E. JACOBS

The Bronze Star Medal, First Oak Leaf Cluster, was presented last week to CW3 James E. Jacobs, food service officer for School Brigade. Jacobs was recognized during award ceremonies held in the commandant's office for his meritorious service and devotion to duty from February, 1969, to February, 1970, while serving in the Republic of Vietnam. Food advisor, Headquarters, U. S. Army Area Command was Jacob's title while there. He worked out of Siagon.

INNOVATORS, TAKE NOTE

An MMCSer with a money-saving idea has earned himself

a tidy Christmas bonus of \$150 through the Army's suggestion award program. SFC Jesse L. Stephenson, missile launcher section chief with Hawk Division, spotted what seemed like an unnecessarily expensive gadget for a simple function on the Hawk SP Launcher. He suggested replacing a \$74 cable retainer with a much cheaper part—a spring normally used in 2 1/2-ton truck clutches. The cheaper part does as good or better job and promises to result in savings of \$1,991 in the first year of use.

By the way, Stephenson has a good idea on how to improve your chances of striking it rich through the suggestion program. He has several suggestions "in



SFC JESSE L. STEPHENSON

the mill" at one time, figuring that one or another is bound to be adopted sooner or later. So don't just sit there. . . suggest!

TOP SOLDIER FOR DECEMBER

The winner of the MMCS Soldier of the Month competition for December was announced last week. The sharpest, most knowledgeable of the four men who went before the selection board proved to be SP4 Emery E. Mitchamore, Jr., of Co. D, representing 1st Battalion.

Mitchamore, an instructor with Shillelagh Branch, has been singled out for performing his teaching duties in an exemplary manner, too. He was Instructor of the Quarter for Combat Support Missile Div. B in the first quarter of this year. With outstanding qualifications in both the traditional soldier's skills and his job specialty, Mitchamore will be a strong competitor for Post Soldier of the Month, the next hurdle.

NOSE TO THE GRINDSTONE DEPT

Steven MMCS civilians were called upon by the commandant last Wednesday. The reason? Strictly good news for those concerned. Outstanding Performance Rating certificates were presented to Mrs. Corinne L. Bedingfield, DIT, Horace T. Gray, Myron B. Foster, Sr., and Mrs. Annette G. Barnard, all employed at Directorate of Logistics, and Miss Joan Gross of the Office of Information.

Kenneth W. Key, also of Logistics, accepted a Sustained Superior Performance Award, while Frank S. Bowman, Jr., was recognized for passing the ten year mark of federal service. Bowman is an educational specialist with Officer Training Dept.

AN XO FOR 3RD BATTALION

Third Battalion has a new executive officer this week. Actually, 1LT James W. White took over the job last Monday, having arrived here from an assignment in Vietnam. White, who received an OCS commission in May of 1969, last served as an exec officer with the 87th Infantry. His home is Louisville, Ky., and he graduated from Center College in Danville, Ky.

9TH ETC ACHIEVER

A Certificate of Achievement went to SP4 James L. Thompson last week, citing his commendable service as platoon sergeant with the 9th ETC. Thompson came to MMCS in September of this year from an RVN assignment. He has finished his active

duty commitment and is taking advantage of the early release program to attend college. A native of Moses Lake, Wash., Thompson plans to go into social work.

TOKENS FOR THE COLONELS

It was "Annual Colonel's Night" at last Wednesday's Lily of the Valley Assn. meeting, a weekly get-together of School Brigade officers. MMCS's seven colonels were given "tokens of appreciation" — we won't elaborate on that — by regular Lily of the Valley attenders in recognition of the cooperation and assistance shown the Brigade during the past year by the colonels. Recipients were Colonels Gilbert P. Levy, Anthony F. Stahelski, Joseph A. DeSantis, Frank S. Hertzog, Norman L. Holland, James L. Keown and Warden R. Kimmins.

SOMETHING TO BE HAPPY ABOUT

Thirty-two of last Friday's graduating students have something to be happy about besides the fact that they're through with the training phase of their Army duty and that most of them are going home for Christmas. One of the graduates was

promoted to SP5—namely Kenneth R. Loomis of the 4th ETC.

The other 31 were promoted from PFC to SP4: From the 1st ETC, Stephen M. Hamann, Michael A. Berg, Garnett J. Brown, Samuel L. Creef, Rowland R. Hughes, William R. Mueller and Robert M. Schmidt.

From the 3rd ETC, Tommy L. Buchanan, Peter G. Henderson, Edward E. Hook and Joseph J. Schwemin.

Of the 4th ETC, Stephen J. Dennocenzo, Craig J. Farmer, Thomas R. Frazer, James D. Roberts, Steven A. Sabean, Scott W. McCoy, Gary A. Miller and David L. Walter.

Larry M. Phillips, Leonard R. Tworex, Barry B. Minitz and Sidney C. Moore are from the 5th ETC.

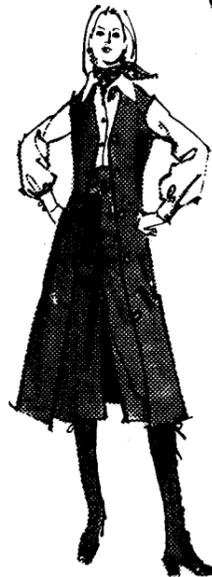
Rounding out the list are Donald I. McLain, 6th ETC, and Edwin W. Hoppe, Gary D. Moore, Christopher E. Beeler, James E. Blucker, Robert B. Freind, James E. Sparing and David C. Stapp, all of the 9th ETC.

Congratulations, all you brand new specialists, and Merry Christmas, MMCSers, one and all. Wherever you go for the holidays and whatever you do, be sure to come back safely.

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Bandits Well Again As Goltz Flashes Old Form

John Goltz and Noel Moore added their names to the AMC honor roll and the DeVaults put another length between themselves and the pack as the league bowled their way into the holiday break.

Goltz signalled his complete return to form by stringing together games of 192, 220 and 219 for a 629 while Moore used a opening 223 game as the springboard to a 604 that enabled him to take over the league's individual average leadership at 180.

Meanwhile the DeVaults built their lead over the Sheratons to five points by sweeping the Tow Boys while the Motelmens were taking three of four from the Metro Cals. The Tigers dropped out of a share of second after being victimized by Goltz and his fellow Bandits and dropped all four points.

After leading the league last season with a 185 average, Goltz was on crutches at the start of this season and relegated to a one-step approach for a couple more weeks while he regained strength in his ankle, fractured playing softball.

But since getting back in stride John has been bombing the maples

'Wackers Nail Spot In Rolloff

The Bushwackers wrapped up the first half title in the S&M Bowling league as the eight-team loop completed their pre-Christmas activity at the Playmor last week.

Buck Wade was the big gunner in the Bushwacker attack that accounted for a clean sweep win over the Reba Bowling Apparel five. The two rivals went into their crucial match separated by a single point.

The league takes the next two Wednesday evenings off for the holidays before starting the second half on January 6.

Wade swept 586 maples from the Playmor slides and included a 215 game in his run. Jerry Cutcher was next high for the winners with 526 while Jesse Partridge rapped a 536 for Rebas.

U-Tote-Um maintained a one point advantage over Auto Center in third when the two split and the Pinspotters kept MID from moving up by taking all four of their match points. The final duel saw Lot-O-Pins win three from King Pins as the two swapped places at the bottom of the standings.

Dick Pingry edged Wade out of bowler of the week honors by three pins by shooting a 589 for the Pin Spotters. Gil Vitale shot a 401 in two games for the same team and Frances Cline hit for 550 for MID.

Andy Zuurbier was third on the individual list rapping a 572 for the Grocers and Clayton Bales ticked off 550 sticks to support him. Gene Martin kept Auto Center in the running with a 212 game and a 533 total.

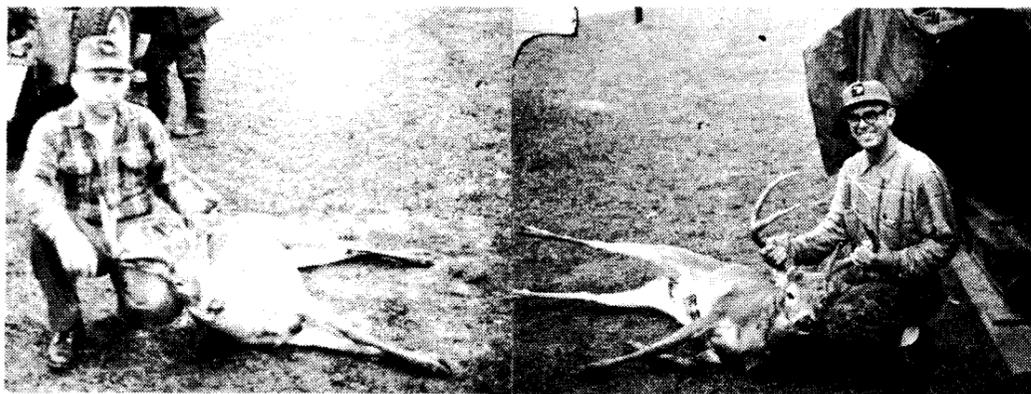
in his usual style that threatens to make the Bandits a team to be contended with during the last half of the season.

Moore trailed another Bandit, Willy Wiggins, in the average race through thirteen weeks of firing and finally passed him with his first over 600 count of the season. The outburst paced the Alley Cats to a 3-1 win over the Sprinters.

The leaders had just enough in each game to blank the Tow Boys with Ron Backer chopping down 576 sticks and Bob Brand stacking another 566 maples. Bob Taylor swept 542 ten pins from the decks for the losers.

The T-Birds made it three shutouts for the night in sweeping the Jokers behind the lead of Monroe Bates and the Raiders hung a 3-1 setback on the Wonnors with Jimmy Galbreath as the lead gunner.

Eulas Gilbert hit a 233 middle game and totaled 569 to get the Bombers a 3-1 victory kept the All-Sports charging toward a first division berth with the Cobras on the losing end this time. All five of the Sports went over 500 for the second straight week with Ed Leahy in the lead at 549 and Hugh Valentine close behind with 541. Chuck Turner kept the Cobras in the running with a 544.



FINAL WEEKEND—Two of the eight hunters that bagged deers during the final weekend of deer hunting with firearms at the Arsenal and the adjoining portion of the Wheeler Wildlife Refuge are shown with their kills. Sp 6 Howard Kirby (left) bagged a 126 pound, 8-point, buck while Clayton Spencer scored with a 162 pound six-pointer.

Deer Hunters Boost Bag To 56 As Season Ends

The last public deer hunt with firearms on Redstone Arsenal for the season, netted eight more deer for the local sportsmen. A total of 387 hunters showed up the last two days, 232 on Saturday and 155 on Sunday.

Six deer were bagged on Saturday with John Meilbeck, Sr., getting the largest, an 8 point, 186 lb. buck. Other happy hunters were Burton Stroupe, 98 lb., 3 point buck; Jack Carrol, 146 lb., 6 point buck; Billy M. Adair, 88 lb., spike buck; Lonnie Miller, 112 lb., 5 point buck; and Peter J. Buffington, a 90 lb., spike buck.

On Sunday Clayton M. Spencer

bagged a 162 lb., 6 point buck and SP6 Howard N. Kirby got a 126 lb., 8 point buck.

One of the most notable events was the fact that SFC Ray Fitchner's name did not appear on the list as getting a deer this past weekend. So far he has been

the top hunter this year getting one deer via the bow and arrow route and four in the firearms hunts.

The last public bow deer hunt is scheduled on Jan. 9, 10 and 11. So far 56 deer have been killed this season on the Arsenal and the adjoining portion of the Wheeler Wildlife Refuge that was open on specified days for public deer hunts, according to SFC John Levan, deputy game warden.

Dial 112 For Redstone News

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MISD Rolls On

Upset Hopes Fall Short

It took a lot of scrambling late in their last game but MISD was able to close out the 1970 portion of the CWF Basketball league season with an unblemished slate.

The league leaders took on Missile Intelligence last Friday in quest of victory number seven and came away with 54-49 win that was even closer than the score indicates. Earlier in the week MISD cruised over Research & Engineering, 85-50.

The runner up Corps of Engineer quintet turned in a 79-30 rout of the Metrology Lab in their only appearance to stay a game behind the leaders.

MIA got a split on the week by taking DIT, 64-57, and the School five turned around and handed Safeguard a 40-32 defeat to complete the week's slate.

MISD and MIA battled on almost even terms through three

quarters with the leaders finally forging an eight-point lead half way through the final period. With time running out on them, MIA started to rally and closed the gap to two points with almost a minute left on the clock.

That last minute turned out to be somewhat of a nightmare for the challenging Missile Intelligence. Five times they went to the foul line and five times the shot missed connections while MISD was cashing in on two shots of their own for their final four point margin.

John Reppert led the MISD scoring with 14 points, two more than Fred Smith while Phil Shepherd collected 14 for the losers and Don Scott hit an even dozen.

Jim Bunnell was the top point producer in the MISD win over R&E as eight players broke into

the scoring column. Bunnell hit 20 with Bob Hubbard adding 12 more. Steve Smith tossed in 20 in the losing cause with Jim Burnett next in line at 12.

Shepherd fired 22 points in the MIA win over DIT with Larry Veech topping the School five with 20, two more than Jim Williams.

The Engineers had too many Jerry's for the Metrology Lab as Jerry Dooley racked up 18 points and Jerry Mullinax ripped the nets for 14 more. Hamil Martin tossed in 12 and Dennis Vaughn 11 while Jay Compton was high for Metrology with 13.

Veech and John Clark ended all even in a shoot out in the DIT-Safeguard contest but the former got a little more support from his team mates as DIT won for the second time in six tries. The two scoring leaders each tossed in 16 points.

MICOM Wins, But Safeguard Drops Thriller

Second half rallies brought a win for the Missile Command and a defeat for Safeguard as the Civilian Welfare Fund teams wound up their pre-holiday play in the Huntsville Women's basketball league last week.

The Missile Command girls came back from a 33-29 halftime deficit to avenge their only loss of the season by defeating Fashion Two-Twenty 60-53.

It was the seventh win for the MICOM gals whose early season loss to FTT was a one-point setback and left them deadlocked with State Farm for the league lead.

The State Farm girls retained a share of the lead with a narrow 59-57 defeat of Safeguard in a game that saw the Army team out front through most of the first two periods of play.

Missile Command scoring turned into almost a one-girl show as Sandra Harrison developed a hot hand early in the contest and hit the bucket with unerring accuracy throughout, ending with 53 points. Her front court running mates, Gladys Hill and Joyce Ingram, consistently passed up easy shots to screen for their hot-shooting team mate.

The Safeguard scoring was divided a little better with Linda Haygood hitting 30, Doris Wallace collecting 19 and Gretchen Bigham accounting for the remaining 8.

Women's league play resumes on Monday, January 11, with a battle for first place between the Missile Command and State Farm. The winner of the 8:45 duel will be assured of at least a tie for the regular season crown.

Safeguard tackles Automatic Electric in the 7:15 contest.

Drive Safely

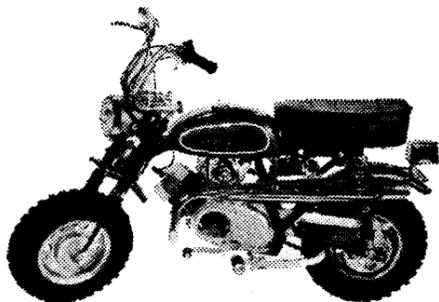
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Ritchey Named President Of Thiokol Chemical

Bristol, Pa., Dec. 15, 1970—The Board of Directors of Thiokol Chemical Corporation today elected Dr. H.W. Ritchey to the position of Chairman and Chief Executive Officer. Robert E. Davis was elected to Dr. Ritchey's former position as President and to the new responsibility of Chief Operating Officer.

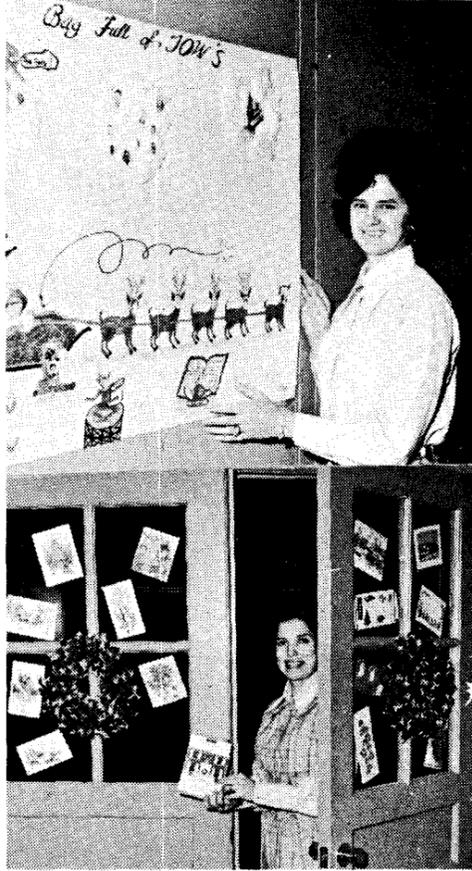
Dr. Ritchey succeeds Joseph W. Crosby, who resigned the top position to become Chairman of the Executive Committee. He will continue as a member of the Board of Directors. Davis, previously Group Vice President, General Products, was also elected to the Board of Directors.

The changes are effective January 1, 1971.

In accepting Crosby's resignation, the Board paid tribute to his outstanding devotion to leadership which saw Thiokol develop from a position as the pioneer producer of synthetic rubber in the United States to a multi-faceted operation with substantial commitments to the nation's most vital industries.

Crosby joined Thiokol in 1936, initially in market development. He served as the company's Sales Manager and then President before being named Chairman and Chief Executive Officer in 1964. Dr. Ritchey joined the company in 1949 and has served as President since 1964. His broad technological knowledge contributed to the innovation of large, solid propellant rocket motors, an important area for Thiokol over the years.

Davis, Thiokol's new President, has been with the company since 1958. He has served in several areas of sales and marketing management, and was made a Group Vice President in 1968.



Thiokol Chemical Corporation is headquartered at Bristol, Pa. Its operations include the production of chemical products, synthetic fibers, propulsion systems, tracked vehicles, specialty dispensers for liquids, and medical electronic instrumentation. The company also provides a full range of services designed to train and educate the disadvantaged. Thiokol's Huntsville Division began operations on Redstone Arsenal in 1949 as Alabama's first missile contractor. Dr. Ritchey served as Technical Director of the Division from 1949 to 1960.

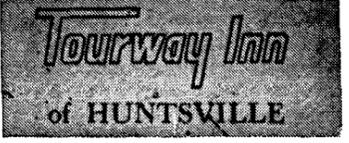
Zero Defects Originator Dies

ORLANDO, Fla.—James F. Halpin, internationally known pioneer of Zero Defects, died here Dec. 11. Author of the book, "Zero Defects—A New Dimension in Quality Assurance," Halpin was director of quality for Martin Marietta's Orlando Division prior to his retirement in 1969. In 1966 he received the Department of the Army's highest civilian award for his voluntary efforts in support of Department of Defense ZD programs. His book, published in 1966 by McGraw-Hill, has been translated into a number of foreign languages, including Japanese.

During his 30-year association with Martin Marietta, Halpin's assignments also included supervisor of manufacturing, director of facilities, director of programming and contracts, and assistant to the general manager.

As quality director, he was responsible for the quality and performance of the Division's defense products, including the U.S. Army Pershing and Sprint missile systems, the Navy and Air Force Bullpup missile, the Navy Walleye weapon, and the Army RADA communications system.





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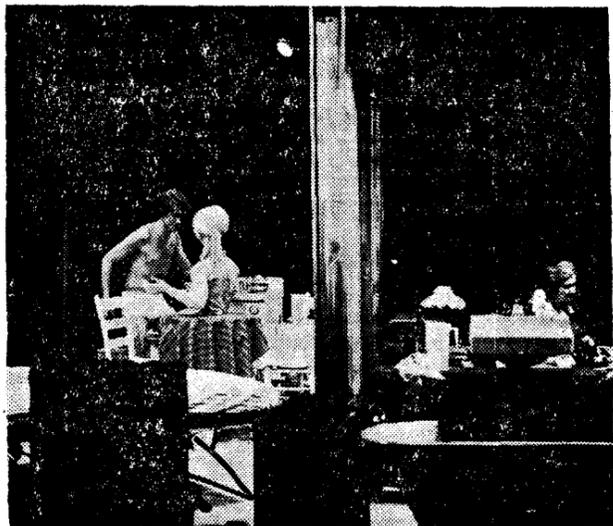
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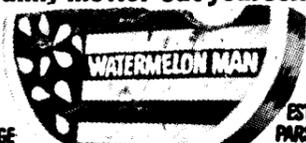
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HAPPY NEW YEAR

Coal Consumption Down This Winter

Substantial cuts in the consumption of coal and electricity at Redstone during October and November have been reported by the Army Missile Command Post Engineer.

The comparisons on fuel usage are based on amounts consumed during the same months last year.

"We saved five million kilowatt hours of electricity in November and 500,000 kilowatt hours in October," John Cotney, Deputy Post Engineer, said. "Our goal for the

entire fiscal year was to save six million, so we're way ahead.

"At comparable temperatures during the two years, the cut in coal was 34.5 percent for October and 35.5 percent for November. We want people to know that we appreciate their cooperation, and we're asking them to continue their efforts to conserve fuel."

Post Engineer officials attribute the savings in electricity to cutting off lights wherever possible and not using portable heaters. In

TO OBSERVE HOLIDAYS
Holiday festivities at the Service Club will include a party on Christmas Eve and Open House Christmas Day at 4 p.m. The New Year's Eve party starts at 10 p.m. All enlisted men and their guests are invited to attend the activities at the Service Club throughout the Holiday Season.

In addition to the lights that have been turned off in office buildings, fewer lights are burning in such places as parking lots and hardstands.

Earlier in the season, all personnel at Redstone were asked to conserve electricity and to set thermostats no higher than 72 degrees in office areas during the cold months, to save coal.

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Take Care ... Stay Alive

Statistics are very impersonal. They don't have names . . . just numbers. They don't have wives or husbands or children. Just numbers. But they can be translated . . . into grim headlines. "Tragedy Mars Family Reunion," "Drunken Driver Kills Child," "Collision Wipes Out Family." Somehow, statistics seem to gain something in the translation. They gain personality . . . and an ugly twist. Numbers become names. Names become people. All of a sudden, people become statistics. Two long holiday weekends are ahead. Lots of statistics are in the making. Don't be one. Drive carefully. If you drive, don't drink. When you take off for the holidays this year . . . take care. Stay alive!



The Insurors Of Huntsville

Soldier Follows Father's Steps

It was graduation time again Friday at the U.S. Army Missile and Munitions Center and School, and 111 newly-qualified Army missile and ammunition specialists stepped forward to receive diplomas from 11 different technical courses.

In addition to the U.S. soldier graduates, 19 noncommissioned officers from the German Air Force and one from the Turkish Air Force accepted diplomas for

successfully completing missile studies here.

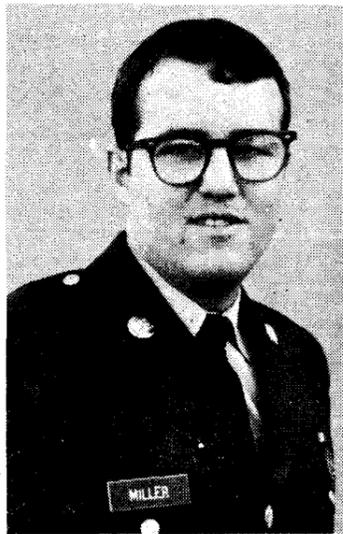
For one of the graduates, PFC Gary A. Miller, finishing this phase of Army training was one steppingstone along the path taken by his father some years ago. Miller is the son of Master Sergeant Kenneth C. Miller, who is assigned to the Nike Division of the Missile and Munitions Center and School.

The younger Miller graduated from the Nike Test Equipment Repair course, while his father's Army specialty is Nike maintenance chief. Miller isn't lagging in following his father's footsteps, either—he was honor graduate of his class. His parents live at 3119 Nassau Drive, S.W., Huntsville, and Miller was recently married to the former Sandra L. Wood,

daughter of Mr. and Mrs. Charles H. Wood, 3012 Triana Blvd., Huntsville.

Ten other soldiers also finished at the top of their respective courses and were presented honor diplomas at the ceremony. They are: Sp 6 Joseph O. Tremblay from Berlin, N.H., Sp 5 David J. Borland, Kenosha, Wisc., Specialists 4 James E. Blucker of Akron, Ohio, Thomas R. Frazier from Washington, D.C., William R. Mueller, LaCrosse, Wisc., Larry M. Phillips of Sacramento, Ky., and Privates First Class Steve T. Bigos, Dolton, Ill., Edward E. Hook from Pontiac, Mich., Edwin W. Hoppe Jr., St. Louis, Mo., and Rickey C. Ultsch from Houston, Tex.

Guest speaker at the graduation was James F. Dowdy, chief of NASA training at the Marshall Space Flight Center. Dowdy stressed to the men that in their rapidly changing specialties, continuing education and training is essential, merely to stay abreast.



PFC GARY A. MILLER

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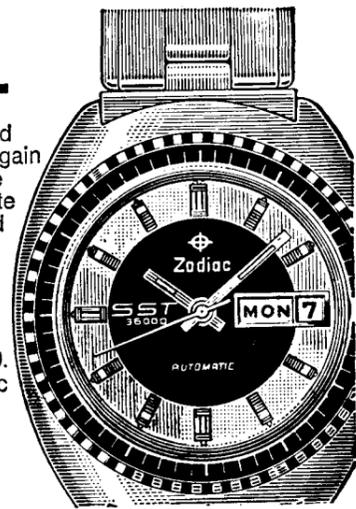
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With our greetings goes our sincere appreciation.

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Man Enlists Mile High

If Sp 5 Irvin D. Thompson seemed "up in the air" about reenlisting in the Army at Redstone Arsenal, there was a good reason for it... he was.

Thompson was sworn in aboard an Army plane last week flying a mile above Redstone.

Lt. Col. William C. Hampton,

Chief of the Post Transportation Aviation Branch, administered the oath.

"I'd seen guys from other aviation sections take reenlistment oaths beside airplanes," said Thompson, 23, a flight records clerk. "When I decided to re-up I thought it would be great to do it aboard a plane in flight. I asked Colonel Hampton and he agreed."

So last week, when a plane took off for an in-flight radio maintenance check, Thompson, Col. Hampton and SSG Carl Gentry, Army Missile Command career counselor, were aboard.

When the plane reached an altitude of 5,280 feet, Thompson

raised his right hand and Col. Hampton performed the reenlistment ceremony.

Thompson, who signed up for six more, got a \$10,000 bonus.

He became the fourth soldier in the Aviation Branch to reenlist during the week.



PLANE RIDE WORTH \$10,000—Sp 5 Irvin Thompson (left) prepares to take a plane ride at Redstone Arsenal that netted him \$10,000. The young soldier reenlisted for six more years while flying aboard an Army plane at Redstone last week. At right is his Commanding Officer, Lt. Col. William C. Hampton, who administered the oath.



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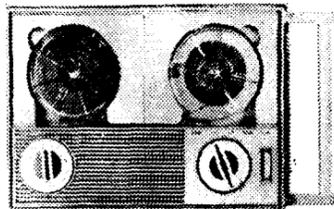
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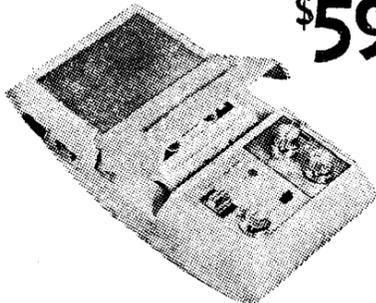
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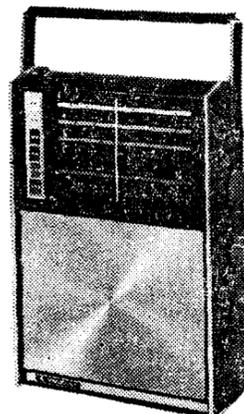
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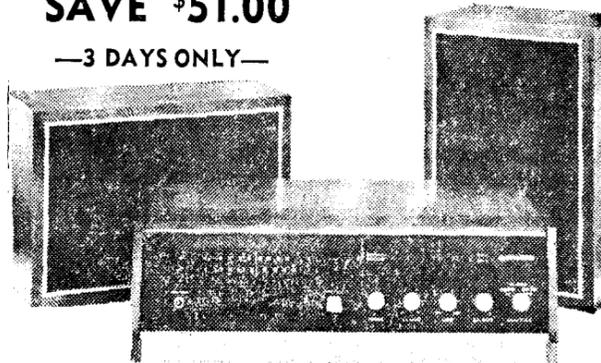
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SAFLOG VISITED—Col. Cecil W. Hospelhorn, left, the Commanding Officer of the Army Safeguard Logistics Command, visits with some of the party from Washington who came to Huntsville last week for an in-depth orientation on SAFLOG. Left to right are, Maj. Gen. James G. Kalergis, Army Materiel Command Deputy Commanding General for Logistics; Paul H. Riley, Deputy Assistant Secretary of Defense for Supply, Maintenance and Services, Installations and Logistics; and Maj. Gen. George Mayo, Jr., Deputy Safeguard System Manager.

WEATHER

(Continued From Page 1)

coat of fur and lose it gradually as the temperature becomes milder. This is why the fur of animals in air conditioned homes with constant temperatures seems to vary little.

"Some people point to the early or late flights of birds migrating south as an indicator of the severity or mildness of the coming winter," said Dr. Essenwanger. "But back in Germany in the 1930's something very different happened.

"Traditionally, swallows in Germany would fly south to spend the winter in Italy. In the late fall a severe snow storm came and trapped thousands of birds which then had to be loaded aboard airplanes and flown over the Alps to Italy. If the birds could predict weather, they would have left while they could."

Dr. Essenwanger said that as far as a cold winter coming to Huntsville, many factors have to be considered. First, what exactly is a cold winter? Assume ten

days at 70 degrees and ten days at zero; this equals an average temperature of 35 degrees which is only slightly below the Huntsville average for this time of the year.

SKIING FOR CHRISTMAS!

If you like water skiing you are in for a treat. If you like snow and everything it brings with it, you had better hop into your car and head north. The forecast calls for mild weather lasting through the weekend with little chance of anything but rain to break up the monotony.

In the past decade, it has snowed once at Christmas time (1963). Roughly that's a one out of ten probability, and considering recent weather trends this year's chances seem like one in a million.

Now 70 degrees is delightful; 35 degrees is tolerable, but many people would only remember the ten days at zero degrees and say that it was a very cold winter.

Another factor is the Hudson

Bay Area near the Arctic.

This reservoir of cold air contains frigid air masses which sweep over the United States causing most of the cold weather temperature. According to Dr. Essenwanger, Huntsville and the rest of the South have not felt the brunt of this air mass yet. If the circulation of air favors the flow of cold air into the southern states longer than usual, it could indeed be a very cold winter.

So far as predicting a severe winter without detailed studies, it's anybody's guess. The present state of the art in meteorology does not permit seasonal forecast with any dependable degree of accuracy.

As for the old superstitions and weather lore, H. D. Bagley, meteorological technician and television forecaster, explained that some old sayings are more probable than others:

WHEN THE CORN HUSK GROWS THICK AND STRONG THE WINTER TO COME WILL BLOW COLD AND LONG.

"Now as far as anyone can tell," said Bagley, "there is no foundation for this rhyme. No doubt, many people back in earlier times saw the husk and assumed that its sole purpose was protection against the weather and that if the husks were thick it would be a very cold winter."

AUGUST FOGS COUNT WINTER SNOWS.

"I'm not even sure where they got this saying," said Bagley. "It seems to have no scientific foundation. However, we didn't have any fogs this August; so if it is true, there won't be any snow."

WHEN THE FACE OF THE MOON HAS A SILVERY SHIELD TOMORROW YOU SHOULD TEND YOUR FIELD BUT IF THE MOON IS HALOED ROUND SOON YOU WILL TREAD ON RAIN SOAKED GROUND

"This is one of few sayings that have any scientific basis at all, and it has nothing to do with the severity of the winter. When rain clouds move into an area, they are preceded by very high cirrus clouds which contain ice crystals. These cirrus clouds arrive as much as a couple of days in advance of the rain clouds.

Usually in the day time with the sun shining, we cannot see these clouds, but at night, they form a halo around the moon. As an indicator it is good, but it is not 100 percent accurate in predicting rain or snow," said Bagley.

Will it be a mild winter or will it be the coldest winter in the history of Redstone Arsenal? Dr. Essenwanger states that if you accept only the above possibilities, you have a 50 percent chance of guessing the right forecast.

Heads: It will be the coldest winter in the history of Redstone Arsenal.

Tails: It won't be the coldest winter in the history of Redstone Arsenal.

School Unit Helps All Year

To the men of the U. S. Army Unit Training Command, giving has been their theme for quite some time.

Unit Training Command, responsible for the training of missile and ammunition units, is a Third Army activity attached to the U. S. Army Missile and Munitions Center and School.

The 200th Ordnance Detachment, a missile support unit, has been involved in a giving program through HOPE—the Huntsville Opportunity Program for the Elderly for the past three months.

Each month men of the unit have volunteered their off duty time to aid in the distribution of food commodities to elderly people who are unable to pick up their food sacks at the commodity center on commodity day.

Staff Sgt. Douglas Pruitt has been coordinating the activity with the 200th Ord. Det. since the unit became involved in the program.

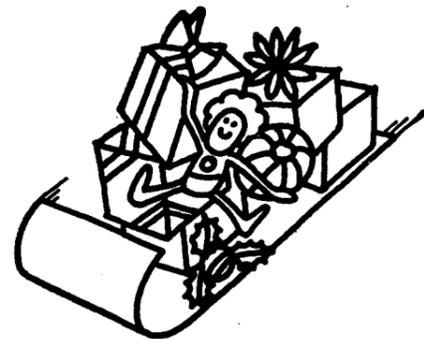
"It's an entirely voluntary project," said Sgt. Pruitt. "The only compensation the men get is the self satisfaction that they have helped to make someone's day a little easier."

Jim Berry, director of HOPE, stated that the men of the 200th Ord. Det., have been a great help to the program. He expressed a great hope that they will continue to aid the project in the future.

Each month men of the unit have volunteered their off duty time to aid in the distribution of food commodities to elderly people who are unable to pick up their food sacks at the commodity center on commodity day.



COLLECTION POINT—Staff Sergeant Bernard Shear and Corporal Paul Haverstick (left) of the Marine Training Detachment assigned to the Army Missile and Munitions Center and School check one of the Toys for Tots collection points. This one is located in the Finace Building near the Disbursing office.



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Gen. Donley Heads Scouts

The Tennessee Valley Council of the Boy Scouts announced last week that Maj. Gen. Edwin I. Donley, Commanding General of the U.S. Army Missile Command, had been elected council president.

General Donley's one year term begins January 1. He succeeds John Goodlow in the Tennessee Valley's top scouting post.

The Tennessee Valley Council covers nine North Alabama counties and has a current

enrollment of 18,500 boys and adults.

Other officers elected with General Donley last week included: Vice presidents; Jack Livingston of Scottsboro, Roscoe

Roberts of Huntsville, Bill Griffin of Cullman and Barrett Shelton, Jr., of Decatur.

Joe Weed of Huntsville was named treasurer and Bob Shirley of Florence, council commissioner.

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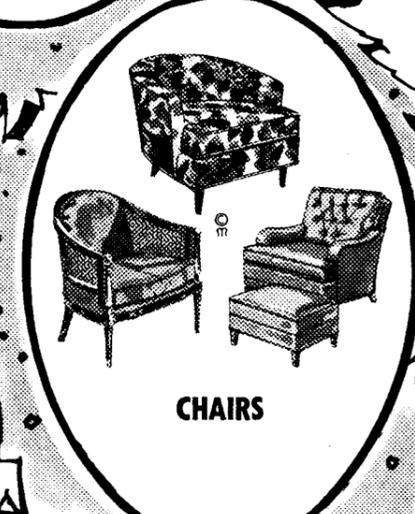
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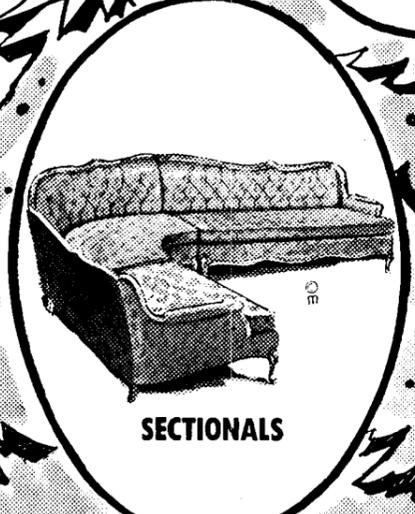
TABLES



LOUNGE CHAIRS



CHAIRS



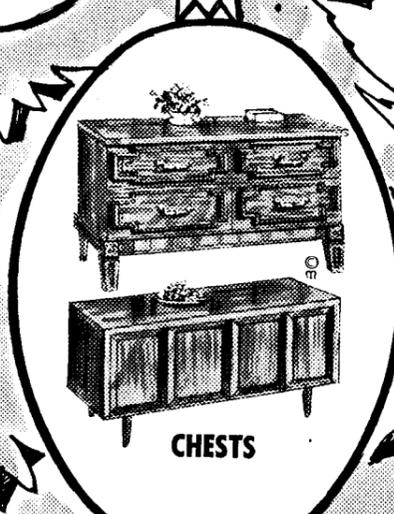
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Customs Service Has Security Jobs

The U.S. Customs Service has openings for customs security officers to serve aboard planes and in ground assignments.

To qualify, an individual must be twenty-one years old, have vision that is 20-70 in one eye and 20-40 in the other corrected to 20-20, be in excellent physical condition, undergo a personal background investigation, pass a psychological examination and an oral interview. To be considered the applicant also must pass the Federal Service Entrance Examination or the Junior Federal Assistant Examination. Appointments are contingent on satisfactorily completing a four week training course in Washington, D.C.

Promotional opportunities extend to GS-9 with further opportunities in supervisory positions. The Security Officers will be stationed near major gateway airports throughout the U.S.

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Marines Help Santa Find Toys

Santa has recruited more helpers this year. About 90,000 to be precise. Members of the Marine Corps across the nation have been sponsoring a nationwide Toys for Tots drive through the Christmas Holidays.

Locally members of the Marine Corps Detachment assigned to the Army Missile and Munitions Center and School have been aiding Santa and the Christmas Charities Organization in the project.

GSG Loren Hodge, co-ordinator for the project at the 33 member Marine Training Detachment here and the downtown Huntsville recruiters joined forces to promote Toys for Tots in this area.

Several members of the Marine Detachment have been busy soliciting support from local business firms for the placement of decorated boxes in strategic locations to serve as collection points for the Toys for Tots program.

The toys will be collected by the Christmas Charity Organization, repaired and then distributed to the needy families in time for Christmas.

Collection points for the Toys for Tots program are at any of the 'little red school house boxes' that belong to the Christmas Charity Organization or at any of the small decorated cardboard boxes located in strategic places throughout the city of Huntsville and Redstone Arsenal. Anyone wishing to contribute to the Toys for Tots program may do so even after Dec. 25th. Christmas Charities is a year round effort here in Huntsville.

Nationally Toys for Tots is also promoted by two well known business firms. The Marine Corps Reserves normally handle promotion in their hometowns, but where they are not available local recruiters assist in promotion.

Some collection points easily accessible to employees of Redstone Arsenal, are the corner of Drake and Jordan, the Kwik Check on Governors Drive, Krogers's on Governor Drive and the corner of Oakwood and Andrew Jackson Streets. Toys may be donated at any other normal Christmas Charities collection points.



ASSIST HOPE—PVT Joe Davison (center) and Sp 4 Curtiss Martin, both of the 200th Ord. Det., attached to the U.S. Army Missile and Munitions Center and School unload sacks of food for delivery within the Huntsville area. The soldiers are part of a contingent of men from the 200th Ord. Det., who aid HOPE—Huntsville Opportunity Program for the Elderly—in the delivery of foodstuffs to these elderly residents who are unable to pick up the items at the commodity center. The 200th Ord. Det. has been involved in the program for the past three months.



To old friends and new go our wishes for a wonderful Christmas season.

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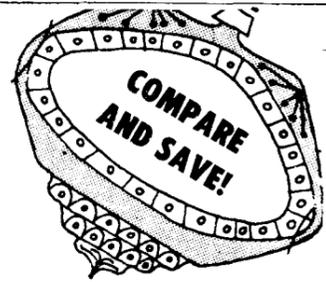
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