

DMA Was 'Pro-Active' In Persian Gulf Support

DMA's two production centers and the Combat Support Center have been commended for their rapid response to mapping, charting and geodesy needs of operational commanders in the Persian Gulf situation.

The following special message to directors of the Aerospace Center, Hydrographic/Topographic Center and Combat Support Center was sent by Rear Admiral O. E. Osborn, DMA Deputy Director, earlier this month:

"Subject: Crisis Support—One DMA

"1. The very positive, pro-active approach we have come to know in DMA components has once more been vividly demonstrated. In the past three weeks you have been

Ideas Wanted For Productivity, Quality Posters

by Steve Prokasky

Quality improvement and productivity continue to be major topics of discussion throughout the Department of Defense. The *Orienteer* has noted the importance of these concerns by publishing numerous articles by the Director discussing the issues and highlighting the many programs that support them.

The Quality Assurance

called on to produce two separate charts on a crisis basis that directly support international activities of current highest National Command Authority priority. (A) special planning chart . . . was requested on 26 July and delivered on 30 July. (A) combat chart . . . was requested on 4 August and delivered on 7 August. Both were extraordinary efforts requiring the best in internal coordination, production quality, and expedited work schedules. In addition, several very complicated, classified products of critical importance were produced in less than minimum time.

"2. These highest quality, record-time products must expeditiously get in the hands of the users if they are to be of any value. The Combat Support Center has used every trick of the trade and often new ones to speed the products to the right destination. An exemplary performance in every case.

"3. You have proven without a doubt in recent months that DMA is indeed a combat support agency. DoD Headquarters staffs and combat commands worldwide are depending on us more and more. They are also seeing that they can count on us in a crisis or special-product situation. That is because you are taking the mission seriously and have pride in our very important national defense role.

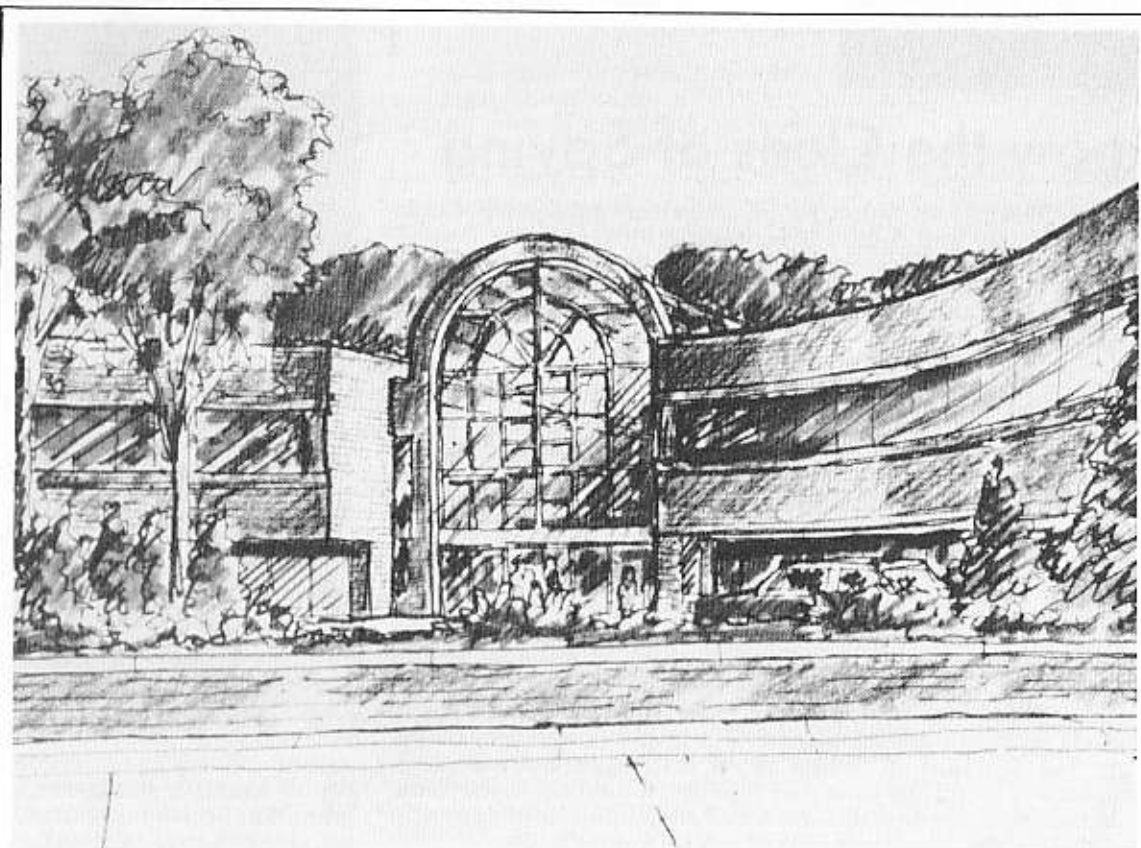
"4. I ask Component directors to extend a 'well done' to every DMA employee who contributed to these recent accomplishments. They

Orienteer

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Architect's drawing of entrance to building that will house DMA Headquarters, the Systems Center, and the Office of Telecommunications Services.

DMA Breaks Ground for New Building

Director's Hotline, on behalf of the Director, a Quality Improvement and Productivity Awareness Poster Campaign. You are invited to take a few minutes and submit your ideas for Center-level posters to QA, Attention: Steve Prokasky, ext. 4345. Your idea may be in the form of slogans, sophisticated graphics, or a combination of both. We will work to incorporate your ideas with those of others or use your ideas as a poster itself.

The Mapping and Charting Department Quality Control Office has long been an advocate of quality awareness. During the summer, the department has held a "Quality Assurance Campaign," with posters urging personnel to "think quality." Look for their poster as a sample to stimulate your creative thought processes.

Once again you are challenged and afforded the opportunity to tap your creative resources and contribute.

Each entrant will receive a quality pin, and the winner will receive a famous lemon meringue pie. The pie is round . . .

Director's Hotline

The Director's Hotline is available for employees who have questions or suggestions for improvements in all areas. Some suggestions/questions that are received will be printed in the Orientor, along with an answer. Call 3-4178 24 hours a day. An answering machine will take your call.

should know that their efforts do make a difference and could easily be the difference between success or failure in a world trouble spot.

"Rear Admiral Osborne sends on behalf of General Rosenberg, who is TDY."

Personal Computers Save Time and Money

It began as a Headquarters effort to gain greater control over planning and budget preparation by using desk-top personal computers (PCs). Now it has burgeoned into a full-fledged Agency management information system.

Although DMA is computer-intensive, with numerous mainframe applications for production, research and administrative purposes, the Agency has only begun to make use of PC technology for some applications it has determined can be done better, cheaper and faster on the desk-top units.

Developed initially for the home computer enthusiast, the PC has undergone rapid advances in its technology, design and operations. As a result, the smaller, self-contained machines have become extremely powerful computing tools featuring impressive memory storage capacity, ability to work in various programming language environments, and — best of all — wide latitude in terms of modifying commercial and created software to "tailor" it to specific organizational requirements and applications.

DMA budget analysts faced a crisis almost two years ago. Time for submission of the Program Objective Memorandum (POM)

Ground-breaking ceremonies were held in Virginia last month for the new consolidated building to house DMA Headquarters, the Systems Center, and the Office of Telecommuni-

cations Services.

Occupancy of the 89,000-square foot building is scheduled for next summer. See page 2 for photo of the ground-breaking.

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and the budget was approaching, but the Agency was locked into a soon-to-expire commercial computer mainframe contract. Analysts worried that the budget work would be slowed by computer time-sharing provisions required by the contract and by less-than-adequate contract service and support.

Luckily DMA had acquired the services of Dale Chiusano, a computer program analyst assigned to support the Headquarters Program Integration Division (PPI) and Program and Budget Division (CMP), directed by William Hogan and Gloria Ockershausen respectively. Chiusano was asked to investigate and develop a PC-based management information system to support the POM/budget process and to replace the mainframe, time-sharing system that had been in place for over eight years.

With the volume of printed and automated information prepared for submission by DMA and its seven components, Chiusano recognized quickly that the Agency needed an improved system that would provide Headquarters program managers and analysts with useful tools to reduce the material submitted to an easy-to-manage level. A capability was needed to prepare reports, produce meaningful forms, provide "what if" modeling capability, and prepare POM and budget exhibits for director's briefings and for the Office of the Secretary of Defense.

Based on Chiusano's recommendations, the mainframe time-sharing contract was scrapped in favor of Zenith Z-248 desk-top computers and DBase II Plus data base software. That decision has paid significant dividends. Specifically, the nature of DBase II Plus permits easy modifications

and reorganization as various needs arise. Also, the software has its own PASCAL-like fourth-generation language that aids program development and "debugging" operations to eliminate program errors, according to Chiusano.

With the system in place, Chiusano immediately began concept design and review. Just two months later, he had the largest data base, DMIS/P, operational, although many normal processes used in software development had to be abandoned. This data base was extensively used during preparation of the FY 1988 through FY 1992 POM submission. Other data bases were completed later, tested, and are currently operational.

Now each DMA component forwards its POM and budget submissions to Headquarters on PC diskettes compatible with the new system. As a result of Chiusano's innovativeness, DMA now has a complete management information system incorporating five separate data bases. The most complex data base is the DMIS/P, which contains about 11,000 lines of code, 40 screens, 55 reports, and 10 relational files, using roughly five megabytes of memory storage.

Continued on page 3.



Direct Line

Rear Admiral O.E. Osborn
Deputy Director
Defense Mapping Agency

Know the Clues of Spying

AT NO TIME in our history has espionage hurt national security as severely as in the past decade. Since January 1984, no fewer than 20 American citizens have been convicted of stealing national secrets. There were only four in the previous four-year period. In every case, attention to fundamental security procedures could well have prevented, or at least minimized, the damage.

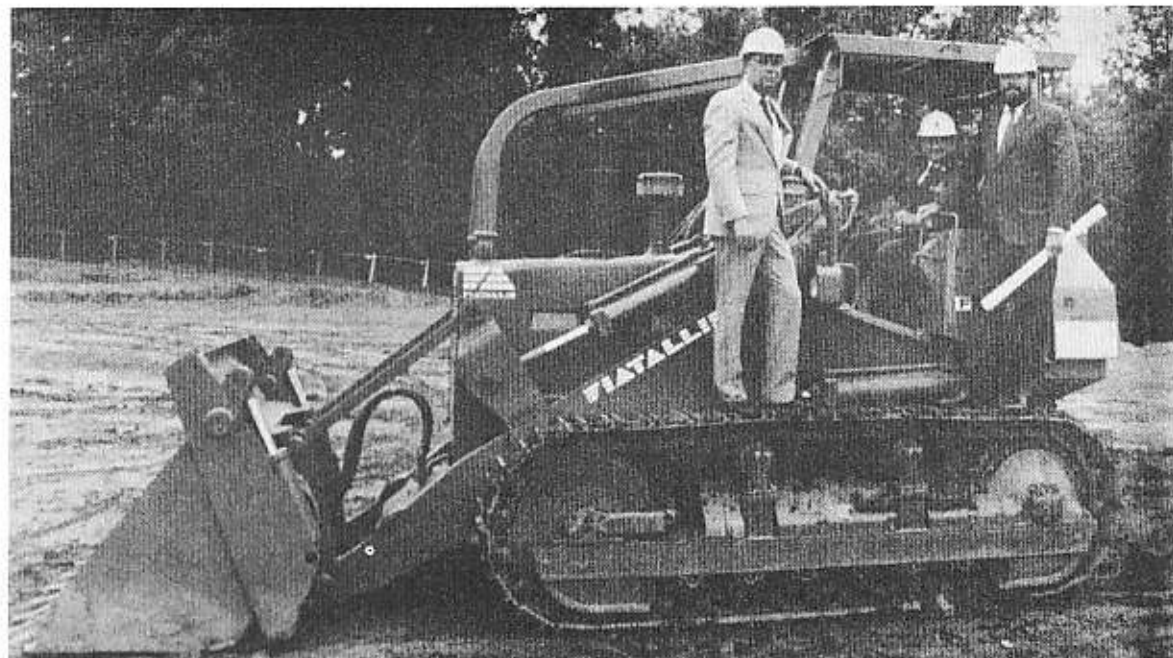
Why are there now more American traitors? Men and women spy for one or more elements in what we call the "SMICE" formula: Sex, Money, Ideology, Compromise and Ego. Individuals involved in these areas are susceptible to compromise, or receptive to approaches from foreign intelligence agents.

This nation remains badly exposed to espionage by foreign governments, particularly the Soviet Union and Soviet Bloc nations. Can you believe that at least five million Americans currently have ready access to classified information? More than one third work for some 13,000 defense contractors, while unknown thousands are employed by firms hired by Congress and federal agencies that deal with sensitive matters. Unless the United States really protects its sensitive classified material, foreign agents may not leave many secrets worth protecting.

MOST OF US at DMA work each day with large quantities of genuinely sensitive classified material. Why should we feel our operation is any less attractive to foreign agents than those that have been compromised? Among our more than 9,000 people there can well be those who are subject to compromise — for sexual adventures, for being greatly in debt, or for disenchantment with our nation and its values.

I have directed this Agency's security professionals to accelerate at once our internal programs to reduce vulnerability to espionage exploitation. But we all must work together to counter this very real threat. You, as responsible, patriotic employees, are the key to this whole thing. What can you do? There are two things you can do immediately:

FIRST: identify who they are by answering one or more of the following:



Ground-Breaking

DMA Director Maj. Gen. Robert A. Rosenberg drives the 'dozer in ground-breaking ceremony for the new building that will house DMA Headquarters, the Systems Center and the Office of Telecommunications Services. Others are Richard Hadsell (left), regional administrator of the General Services Administration, and Robert C. Wilcox, general partner in the Calvert Company, which is building the structure.

Director's Hotline Replies

Q. Why can't employees get film to take pictures at retiree parties? Don't you care about retirees?

A.

Let me take the last question first. YES I do care about retirees! An individual retirement is not something that goes unnoticed at

official retirement ceremonies at the end of each month in the Director's Conference Room. The employee, spouse and family are personally invited by me to attend the ceremonies and take part in a reception which follows. Official photographs are taken of the certificate presentations to include a certificate especially designed for

photographs are processed and forwarded to the employee following the ceremony.

I realize there are times when employees desire to have their certificates presented in work areas by immediate supervisors. In such cases the official photographer photographs the presen-

country, over long weekends, to such places as Canada or Central America?

- Do you know someone: who is called at work by one who refuses to leave a name or phone number?
- Do you know someone: who brags about "James Bond" type adventures?
- Do you know someone: who frequently visits a foreign embassy or consulate or has other dealings with a foreign government?
- Do you know someone: who has come into the office in the morning and returned a document to a safe?
- Do you know someone: who has asked you or a co-worker for a document, manual or plan, but wouldn't say why it was needed?
- Do you know someone: who always has a lot more money than the job should pay? Is it from selling drugs or information?

SECOND: Report any suspicions to your security office. It is their job to know what to do at that point.

Now, I am well aware of the reaction of most of us to "snitching" on a fellow worker. At the same time, all of us must realize that this is a deadly serious business we are talking about. We must be alert to clues. There is no earthly reason to feel that the Defense Mapping Agency is immune to espionage activities. Just the opposite is true and more of our employees have been approached than you realize.

If there are espionage agents within DMA, or employees who have been compromised, then the damage they can inflict upon our nation is directly related to the amount of access they have. We must adhere to strict need-to-know policies. We must remain vigilant and renew the attention to information security received when we first came on board DMA. Remember, what we do here in DMA is important and has a very real impact on the very lives of thousands of American soldiers, sailors, airmen and Marines around the world. For them it's for real, every day. It must be the same for all of us. We cannot afford the compromise of a single item of classified information.

ASK YOU to keep security uppermost in your awareness during day-to-day activity. You are part of the security team in an agency where security must come first.

Air Force Personnel Report Here

Capt. Robert A. Linscott arrived Aug. 4 from Wiesbaden, Germany, for assignment to the Network Management Control Branch (DSCC). He holds a B.S. in the electronics technology from Chapman College, Orange, Calif.

Airman First Class John Zook was scheduled to arrive Aug. 18 from Ramstein AB, Germany, for assignment to Det. 1 of the 1974th Communications Group, the Telecommunications Branch (DSCD).

the Center. To assure that proper recognition is provided retiring employees, I have established

the spouse. Additional photographs of family and co-workers are taken as the employee desires. These

recognition and/or receptions, providing the finished products to the employee.

Anti-Terrorism Plan for AC

The Security Office has developed an anti-terrorism plan for DMAAC. However, as with all plans, it is only as good as the people using it make it.

One of the vital aspects of the plan is knowing the type of situation that forces implementation of various actions within the plan. To provide this information to all employees, TSgt. Dennis Dotter of the Administrative Security Branch, the office of primary responsibility for the plan, enlisted the assistance of Lucille Sutter/SDRG, Dale Rees/GAR and Nancy Burns/

SOFG to fabricate a wallet-size laminated information card for all employees.

The card is being distributed through department security monitors to each employee. Hopefully no one will ever need this information, but if you do, it should be quickly available in your wallet.

This card also contains emergency phone numbers to report fires or request medical or security assistance at both the South Broadway and South 2nd Street locations. If you have any questions/comments, TSgt. Dotter can be contacted at ext. 4582.

These methods of recognition and the associated photography provide not only official recognition, but documentation of a significant milestone in the employee's career. There are also many unofficial functions surrounding retirements, such as luncheons, dinners, and special parties for which photography may be desired, just as it would be in your personal life at a child's graduation or wedding, or perhaps a family reunion. While the agency certainly encourages friends and co-workers to celebrate such occasions as retirements during off-duty time periods, we cannot, in good fiscal management, provide government-furnished film or equipment for such activities.

Calendar

SEPTEMBER EVENT

PLACE

RESPONSIBILITY

1	Toastmasters	Lindbergh Rm.	R. Snider/4956
8	FBA Mtg.	Garavelli's Inn at Park	T. Woodward/895-9208
8	Charter Golf	Columbia GC	M. Sterling/8468
10	Chartmasters	South Annex	H. Adams/8468
15	Toastmasters	Lindbergh Rm.	R. Snider/4956
18	Bloodmobile	2nd Street	P. Benson/4047
22	Charter Golf	Columbia GC	M. Sterling/8468
24	Chartmasters	South Annex	H. Adams/8468
28	NFFE Local 1827	2nd Street Dining Hall	E. Hacker/776-8424
29	FEW Monthly Mtg.	Salad Bowl	K. Hille/8398

Contact Sue Paige/4142 to have your October events listed.

Looking Back

TEN YEARS AGO... "I saw it coming from the direction of the sewer plant," reported Joe Thompson to damage estimators of the twister that struck South Annex at 3:30 p.m. Aug. 9. "You could see debris swirling around in the clouds as it dipped down toward our building."

Thompson's building was No. 1, the motor pool. After everything was over, the roof was gone, several windows were broken, and cement pillars had been moved around. Fortunately for the three people in the building, Thompson, Karen Rickermann and Nat Henley, no one was injured by the flying debris.

"We were just standing there watching the rain," said Rickermann, "when Nat commented that somebody was going to have a tornado. Then Joe began shoving us all back against the wall. Five seconds later it was all over and the rain came pouring through the hole where the roof used to be." (Orientor, Aug. 19, 1977)

* * * *

The President's decision to discontinue production of the B-1 bomber and begin deployment of cruise missiles will have a favorable impact on the programs of DMA and the Aerospace Center. AC has been involved with the production of digital data that will support the navigation system of the cruise missile.



TEN YEARS AGO... Estimators survey damage to the motor-pool building at South Annex caused by a twister.

Speaking at a press conference, Secretary of Defense Harold Brown said, "Although either the B-1 or the combination of cruise missiles with B-52s or other aircraft would be effective, the cruise missile offers more certainty of high effectiveness. Moreover, the cruise-missile option is less expensive. Putting cruise missiles on B-52 launching platforms can take place as early as the beginning of the 1980s—the same time frame as had been planned for the B-1 deployment."

The people of the Aerospace Center have been involved in the

production of data to support the test phase of the cruise missile. Now they are turning their attention to the development of plans for operational support of the cruise missile. (Orientor, Aug. 5, 1977)

* * * *

TWENTY YEARS AGO... The first extensive chart of the moon's far side, based primarily on American lunar satellite photography, has been published for the National Aeronautics and Space Administration by ACIC. The far side of the moon is hidden from the earth since the lunar rotation about its axis is synchronized with its orbital period of about 28 days.

The new chart of the moon will be used by scientists attending the 19th general assembly of the



Talking Point

by

Col. Robert J. Lemon, USAF
Director, Aerospace Center

Communications

Communications is probably the single most important function needed in an organization the size of DMAAC. Unfortunately, it is probably the one thing we need to improve the most.

During my 30 July 1987 senior staff meeting, I directed that several items be briefed to every individual in this Center. I have found out that, in some cases, people were not informed as I directed. I do not know where the breakdown was, but I pledge to fix it. Each and every individual in this Center has a right to be informed as to what is happening as best we can. I do not consider it acceptable to have sections where people are not informed on issues that have been explained to the supervisory chain. If you never have staff meetings, or are never informed about activities in the Center, give me a call on the hotline—I want to know. You need to communicate with me as much as I want to communicate to you.

The main points I wanted each and every employee at AC briefed on were:

—No one is to be harassed for going to the IG, as that is a right. If I find anyone harassing or trying to intimidate someone from going to the IG, I will take swift action. However, I expect an individual who has a problem to first allow the chain of command an opportunity to fix the problem. The first question that is asked by the IG is "Have you talked with your supervisor about the problem?"

—There seems to be a misconception in some quarters that PO (POX specifically) administers discipline. This is absolutely false! Discipline is normally administered by the supervisor. PO only provides advice to the supervisor; it is the supervisor who makes the decision.

—Volunteering for additional duties, such as being an EEO counselor, CFC volunteer, Civilian Welfare Council member, etc., are activities that make this Center operate more efficiently. Individuals who volunteer for these jobs should be rewarded on their annual performance award. These additional duties should be considered in overall managerial effectiveness; however, a person must insure that the main job is being done before accepting a volunteer position.

Barriers and Obstacles

...Personal Computers Save

What are some of the results of the introduction of DMA's internal management information system? In addition to saving about \$250,000 annually by canceling the mainframe time-sharing contract, DMA now has the ability to thoroughly review and analyze the vast amount of POM/budget submission data from its components at its convenience, rather than waiting for the dial-up mainframe. Budget analysts also have the knowledge that all data is secured within tamper-proof, DMA-maintained data bases.

With almost instant access to current information, the Agency now has the ability to conduct "what if" modeling, and many features of the Exploitation Modernization Program's Data Integration Segment have been modeled prior to implementation.

"I really enjoyed the software development project for this system," Chiusano said, "because it gave me a chance to program in a new data-base language on a high-powered Z-248 PC. This machine

has more processing power than third-generation mainframe computers that used to occupy entire rooms and cost more than a million dollars.

"Among the most challenging aspects of the development effort was the construction of a man/machine interface that would work smoothly and facilitate rapid training of novice computer users. Programming modules were written in concise 'top down' structure that will permit easy modification to meet future functional requirements."

Looking at the future for its new management information system, DMA expects to expand its PC-based data bases to areas that have been exclusively the domain of mainframe computers. Included in the anticipated applications are area requirements and productions, simulation for the Data Integration Segment, MC&G graphics, and possibly a local area network at Headquarters to permit various offices to share commonly used information.

FEW To Install Officers Aug. 28

The Arsenal '76 and St. Louis Downtown chapters of Federally Employed Women will hold a joint officer installation Aug. 28 at the Stork Inn, 4527 Virginia Ave.

Attitude adjustment will begin at 6 p.m. Dinner and installation will follow at approximately 7 p.m. Helene Halpern/Personal Dynamics will present a mini-seminar on nonverbal communication titled "How Big Is Your Bubble?"

The dinner and program is only

\$9. For further information contact Monica Sharp/4492, Barbara Savalick/8280, or Kathy Hille/8398.

Arsenal '76 officers who will be installed are Kathryn Hille—president, Dolores Dollar—vice president, Carol Stamer—secretary, Katherine Jungwaelter—treasurer, Mary M. Miller—vice president for programs, and Sharon Hawk—vice president for membership.

International Astronomical Union in Prague, Czechoslovakia, this month. It will be used to assign names to craters, maria (seas), rills and mountain ranges discovered on the moon's far side by the camera-carrying spacecraft. (Orientor, Aug. 18, 1967)

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THIRTY YEARS AGO...(no publication)

Promotions

- Agne, Cecile M., GS-04
- Becker, Roger A., GS-12
- Brown, Steven C., GS-09
- Bryan, Darnon E., GS-11
- Burns, Barbara J., GS-04
- Derby, Joyce A., GS-06
- Dierkes, Thomas R., WG-09
- Dollar, Dolores M., GS-06
- Doss, Dawn F., GS-05
- Fink, Mark A., GS-12
- Frazer, Joel C., GM-13
- Garrigus, Larry L., GS-07
- Hacker, Ricky C., GS-07
- Holubeck, Bruce W., WG-04
- Keller, Anne K., GS-09
- Kiefer, Darleen P., GS-05
- Kiser, Winston, GS-12
- Land, Linda D., GS-07
- Ravetta, Helen J., GS-05
- Rosen, Marie A., GS-05
- Schramm, Richard V., GM-13
- Sherman, Marie L., GS-05
- Skaggs, Wyman E., WS-10
- Standeford, Sandra J., GS-06
- Summers, Darlene M., GS-08
- Svoboda, Kathleen Jo, GS-09
- Uhles, Morris E. Jr., GS-09
- Voit, Rolland L., GS-09
- Wade, Denise A., GS-04
- Waggoner, Irene M., GS-07
- Waters, Joyce A., GS-05
- Young, David E., WS-11

ment malfunctions, misunderstood communications, parking problems, and a host of other obstacles that make our job harder and limit our productivity. For some, there are additional barriers that must be dealt with each and every day. For employees with physically handicapping conditions, simple tasks such as giving or receiving verbal information, or crossing the threshold of a door, can be difficult or even impossible. These employees have to overcome the obstacles of their physical limitations in addition to other workplace aggravations.

These physically challenged employees often inspire us with the courage and ingenuity by which they overcome their limitations, but it is our responsibility to help them achieve their fullest potential by providing them a safe, obstacle-free environment in which to work.

For example, hearing-impaired employees face serious communications barriers in giving or receiving verbal information. We can lessen this obstacle with a teletype-like device called a Telecommunication Device for the Deaf (TDD) that makes it possible for hearing-impaired personnel to send and receive telephone calls. We have placed seven TDDs throughout the Center in the work areas with the greatest concentrations of hearing-impaired employees, at the central guard desk in Building 36, and in the Employee Assistance Office. The TDD in the Employee Assistance Office is coupled to an automatic recording device that is in operation 24 hours a day. We have ordered 13 additional TDDs that should be installed in the near future.

In addition to TDDs, sign-language interpreters are available upon request through the Employee Assistance Office for special events, such as internal training sessions and meetings. As a general rule, interpreter services are provided if the activity involves two or more hearing-impaired employees or is related to essential job training, impending disciplinary action, or complaint processing. Supervisors or employees may arrange for interpreter services by contacting Richard Sleeper (ext. 4848) of the Employee Assistance Office.

The hearing impaired are also aided by strobe light warning signals, which have been installed to alert them to dangers communicated to other employees via audible alarms.

Other employees have limited mobility. For these workers there are reserved parking spaces close to the entrances of their work areas. Ramps are installed at all Center facilities where stairs could provide an obstacle. We have also recently obtained three "Evacuachairs" for Building 36. These devices are designed to allow people with limited mobility to be evacuated via fire escapes in a fast, but safe manner. Plans are also underway to install electric doors at the front entrance to Building 36. This project should be completed by the end of October.

Whenever we can, we must eliminate barriers to personal productivity. Our employees with handicapping conditions have valuable talents that are essential to the success of our mission. We must create for them a work environment which will allow them to fully realize their potential.

Zeroids Win Rec League

The Zeroids finished on top of the Rec League in the 1987 season with a 12-1-1 record, holding onto first place throughout the season. After shuffling their lineup drastically in their final four or five games, they finally achieved their first loss on the final day of the season to the second-place Bottle Caps.

Recent wins for the Zeroids included a 13-0 shutout over the Longnecks and a 14-8 win over the Photo Flashers. All season long, they held the opposition to an average of five runs per game, while scoring an average of 13-14 runs. Credit infield defense to shortstop Chad Miller, Dennis Manning, John Cressman, Bill Small and Todd Finger turning double plays as if they were serious or something. The outfield was anchored by Brian Nikodym, Jim Blodgett, John Paschang and Joe Hyaduck. Kyle Rhodes pitched most of the games, with relief help from several, though we won't mention Brian's one particular outing, which made Jose Oquendo look good for the Cardinals.

The G.A. Bluecollars ended the season strong with a 7-6 win over the Flashers, 22-13 over the Longnecks, and 10-9 over the Disorientors. Steve "Turtle" Sachsensheimer punched out three hits in the game against the Flashers. Chico Coldera and Ken Williams both went 5 for 5 against the Longnecks, while Phil Foster drove in four runs and Bob Smetana provided some entertainment with two head-first slides at home. Against the Disorientors, Tom Newman won his first game in

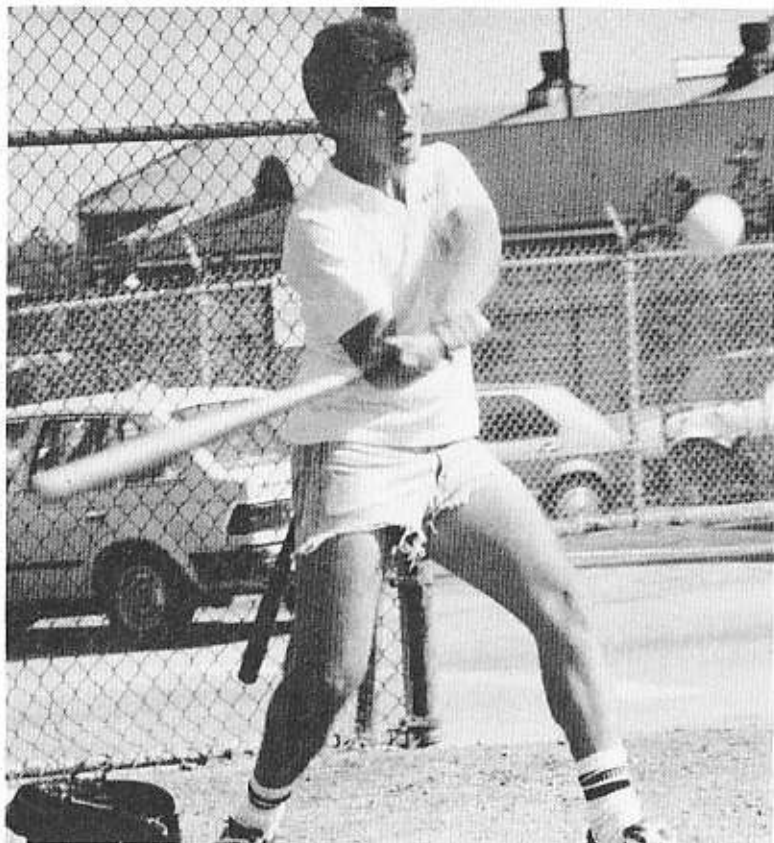


Photo by Gerald Masucci

A member of the Wild Bunch, Randy Spease, takes a swing.

Old Style Win League; Gang 2nd

The Gas House Gang beat the Bushwackers 10-7 in a classic softball duel in the Intermediate League. With league standings at stake, both teams exhibited both great defense and offense for a full seven innings. Bob Hudzik was the winning pitcher.

Old Style secured their first-place position with victories over both the Bushwackers (11-6) and the Deacon Blues (21-11). They remain tough for the second year in

The Good Ol Boys settled comfortably in seventh place with two victories in a row, leaving the Twins IV in the dust with an 18-4 beating and finishing their regular season with a 10-6 victory over the Ball Busters.

—Scott Gum

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INTERMEDIATE LEAGUE

Final Standings

Honor Roll

40 Year

Victor C. Brawley

35 Year

Alvin E. Boxdorfer, Francis M. Purcell, James F. Vines.

30 Year

Rodney L. Butler, Dominic L. Cheli, Jr., Ray L. Hendrix, Walter J. Klos, Paul B. Morton, Jerry Werner, Carolyn B. Yoder.

25 Year

Thomas W. Block, Glenn T. Braunel, Roderick P. Emerson, William G. Hemple, Samuel M. Ivery, Turner H. Johnson, George F. Jokerst, Patrick J. Reed, Ronald H. Schmidt, Earl R. Underhill, Edward T. Williams, Harold M. Winecoff, Floyd K. Wuthrich.

20 Year

Norman B. Adams, John M. Allen, Charles M. Denney, John R. Harmon, James R. Hawk, Larry E. Henning, Kent E. Kenniston, Donald R. McEntee, Jr., Thales A. McReynolds, Rex A. McSpadden, Harold D. Nichols, Francis C. Renschen, Peter C. Robison, Archie A. Schoenbeck, Flynn J. Stubblefield, Betty L. Wolf.

15 Year

Melody A. Baker, Harold J. Berndt, Bob O. Brayfield, Catherine R. Dunda, Joyce M. Mueller, Philip Orlando, Michael E. Parsons, Dennis J. Shannon.

10 Year

Claire A. Anderson, Charles E. Brown, Pamela A. Laws, Carol G. Moore, Mary Ann Riefle, Clarabelle O. Storms.

Outstanding Performance Rating

Helen A. Brown, Nancy J. Burns, Charles A. Bush, Judith M. Fizer, Gerald E. Geiger, David B. Herrmann, James Johnson, Jr., Patrick B. Michael, Carla J. Morris, Rickey G. Norgaard, William E. Norman, Gail C. Ogan, Jr., Linda M. Poll, Charles R. Schifferdecker, Judy D. Skelton, James L. Smith, George R. Spriggs, Flynn J. Stubblefield, Byron W. Taylor, Morris E. Uhles, Jr.

Outstanding Performance Rating/Quality Step Increase

two years as a pitcher, while Jay Gardner had the game-winning RBI.

Final standings will be in the next issue, though with the Zeroids seemingly headed for the Intermediate League, this brings an early retirement for this particular columnist. It's been fun, but now the party's over. Bye!

—Les Wielgos

1987-88 season for the DMAAC Mixed Doubles at Shrewsbury Lanes opens Sept. 2. Anyone interested in joining our league, or bowling as a sub, please contact Pat Wiese/4531 or Bob Preston/4080.

Sign Up for Bowling



Photo by Steve Clarke

Outfield Action

Rod Baumann of the Bushwackers makes a running catch during a game won by the Kamikaze Owls, as teammates Andy Ross (left) and Stafford Gavin provide backup.

Team	Won	Lost
Old Style	13	2
Gas House Gang	12	3
Master Batters	12	3
Kamikaze Owls	11	4
Bushwackers	11	4
Pregnant Weasels	10	5
Good Ol Boys	10	5
Wild Bunch	10	5
Hoosiers	9	6
Deacon Blues	8	7
Birds	7	8
Road Kill	7	8
Misfits	5	10
Who's on First	4	11
Twins IV	3	12
Bad News	2	13
Cougars	2	13
Ball Busters	0	15

SDA Picnic

The second annual SDA Picnic will be held Sept. 12 at Pavilion 2 in Crestwood Park, Crestwood, Mo.

The picnic will start at 11 a.m. and the fun and games will begin at 2 p.m. Hamburgers and hot dogs will be provided, and everyone is encouraged to bring a side dish for the potluck table.

Adult tickets are \$2, children under 12 only \$1, and kids four and under are free! For tickets or more information check the SDA Picnic posters and contact the committee member nearest you. Retirees may contact Sue Robinson (263-4670) or Scott Hirschfeld (263-4402).

Crestwood Park is behind the Long School on Sappington Road, between Watson and Gravois Roads. From Sappington Road, go west on Hartsdale Drive (at the traffic light) and south on Lindenhurst Drive, which leads to the parking lot for Pavilion 2.

William M. Lovelady, John C. Miller, Deborah G. Mitchell, Jack D. Nesler, Marianne C. Norrenberns, Eddie Payne, Mary J. Pervis, Lillian F. Schoellhorn, Earl W. Wickam.

Quality Step Increase
Beverly J. Petersen

Outstanding Performance Rating/Sustained Superior Performance

Elizabeth B. R. Ecker, Joan E. Hric, Penelope A. Lanham, James G. Mohan, Michael C. Reed, John N. Romer, Nathaniel Russell, Sr., Forrest D. Shaffer, Patricia A. Wiese, James L. Zimmer.

Sustained Superior Performance
Charles A. Bush, Beverley J. Garey

Outstanding Performance Rating/PMS Performance Awards

Thomas K. Aldred, Shirley A. Anderson, James M. Arl, Leslie L. Bovier, James E. Bundy, Ralph L. Compton, Jr., David F. Damschroeder, Scott E. Downey, Mary Kathryn Doyle, Jo Ann T. Hemple, John P. Huddle, Beverly A. Leiendecker, David R. Loueks, Wayne J. McCormick, Bruce S. Myles, Michael W. Perkins, Andrew G. Podleski, Francis R. Robben, Patrick J. Shaughnessy, James R. Takach, James A. Turner, Dennis H. Van Hee, Helen Qizeman.

Orienteer

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