

Lindbergh Celebration Denotes 50 Years of Aviation Progress

Perhaps no event in the last 50 years, aside from man's landing on the moon, has stirred the imaginations of people everywhere as much as the famous transatlantic flight of Captain Charles A. Lindbergh on the 20th of May 1927.

For St. Louis May 20 and 21, 1977 will be days of great celebration as tribute is paid to the "Lone Eagle" on the 50th anniversary of his heroic flight. A flight that was to spur the advance of the air age and bring peoples of the world closer together.

It was on May 21, 1927 that a quiet, almost unknown airmail pilot, had left Long Island in his tiny, single engine Ryan Monoplane, flying an economic and accurate great circle route, to land at LeBourget in Paris to scenes of hysterical welcome, 33 1/2 hours later.

We who hurtle in huge jets over the Atlantic Ocean today at speeds of 500 miles an hour, still dream of the future, and we dream again. Our vi-

Orienteer

DEFENSE MAPPING AGENCY AEROSPACE CENTER

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ASP Presents Science Awards

The American Society of Photogrammetry chapter in St. Louis recently presented awards in the Post Dispatch Science Fair.

A fifty dollar savings bond was presented to Carole Patten of St. Thomas the Apostle School for her project, "A Low Cost Camera."

A twenty-five dollar savings bond was awarded Sherry Clark of Fox High School for her project, "Computing Cloud Cover from Landsat Photography." A twenty-five dollar bond was also awarded Jeff Schneider of St. Monica School for his project, "Brightness and Photography."

Harold Light, ACMCC, and Sandra Jones, GDGW, acted as judges for the event. Presentation of the awards was made by Dennis Drum, ACMDD, chairman of the Education Committee.

DMAAC Exhibit Part of Scott Open House

A new Aerospace Center exhibit on the history of aviation will be part of the Armed Forces Day

Negotiated Agreement Signed In Special Ceremonies



DMAAC Director, Col. James St. Clair, affixes his signature to the negotiated agreement between the Aerospace Center and NFFE Local 1827. Seated at the table with the Colonel is Local President, Louis Sachsenheimer, as he awaits the opportunity to sign the agreement on behalf of the local. The special signing ceremonies were attended by (from left to right): (front row) — Frank A. LoBaido, National Representative NFFE and member of Union Negotiating team; Mary Hansen, Secretary, Local 1827; Fanton Chapman, 2nd vice president local 1827 and member union negotiating team; Willard W. Ward, member union negotiating team; (back row) Donald Harvey, management chief negotiator; John Bathe, member management negotiating team; Gilbert Ferguson, member management negotiating team; Richard Vierling, member management negotiating team; Virgil Haun, 1st Vice president Local 1827 and Louis Foster, Local 1827 chief negotiator. Not present for the picture was William Schramm, member management negotiating team.

Executive Development Program Brings TC Employee on AC Visit

As part of the Civil Service Mrs. Robinson received briefings

Who who hurtle in huge jets over the Atlantic Ocean today at speeds of hundreds of miles per hour and heights of up to 50,000 feet can not conceive that as Charles Lindbergh approached the coast of Ireland, he noted wind conditions by which way the foam was blowing off the waves below him.

The charts used by Lindbergh to navigate his Spirit of St. Louis were produced by the old Hydrographic Department, the forerunner of what is now the Defense Mapping Agency Hydrographic Center. (A copy of the chart can be found on page 2.) Things have changed greatly in aviation since the Lindbergh flight, including the charting products and the navigational systems required to support modern day aircraft. Today the Great Circle Route would be plotted on an Aerospace Center produced Global Navigation Chart which contains much more information and a greater accuracy of features for the pilot or navigator. (Modern day plot of the Lindbergh flight on page 4.)

Lindbergh was privileged to live from the birth of modern aviation to the dawning of the space age. He also saw much more than the blessings that technological progress has brought us, as he wrote in the preface to his book, "Spirit of St. Louis":

"Technically, we in aviation have met with miraculous success. We have accomplished our objectives, passed beyond them. We actually live, today, in our dreams of yesterday; and living in those

dreams, we dream again. Our visions of the future now embrace rocket missiles and supersonic flight. . . In this new, almost super-human world, we find alarming imperfections. . . We realize that the very efficiency of our machines threatens the character of the men who build and operate them."

Today, Charles Lindbergh's plane, the "Spirit of St. Louis," hangs just inside the entrance of the Smithsonian Institution's new Air and Space Museum in Washington, D.C., where, suspended from the ceiling, the famous plane seems frozen in flight. Previously, the plane was displayed in the oldest Smithsonian

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Workmen put the finishing touches on the replica of the Spirit of St. Louis that is now on display at the Gateway Arch. The plane will be used during the Lindbergh festivities May 21 in St. Louis. This photo was taken by Art Krahm of the DMAAC Graphics Design shop.

part of the Armed Forces Day celebration and open house at Scott AFB on May 28.

Featured attraction for the day will be the USAF Thunderbirds precision flying team and the U.S. Army Golden Knights parachute team.

The DMAAC exhibit will graphically depict the advancement of aviation from the hot air balloon to today's supersonic craft. Improvement in charting support will also be depicted. A special panel will feature the Lindbergh era.

The open house will open at 10 a.m. and last till 4 p.m.

As part of the Civil Service Commission's Executive Development program, the Chief of the Topographic Center's Geosciences Division, Thelma Robinson, recently visited the Aerospace Center.

The program is designed to provide opportunities over a two year period for Federal executives to visit various Federal agencies to learn about management practices as applied to different Federal programs. Special lecture and seminar courses are also provided.

While at the Aerospace Center

Mrs. Robinson received briefings and tours of all the departments to better acquaint her with the programs and program management systems of the Center.

The Executive Development program is open to only 100 Federal employees at the GS-15 level and higher on a highly competitive basis.

Later in the program she will spend more time with Federal agencies, becoming actually involved in the day-to-day management.

Air Force Top Sergeant To Keynote Convention

Chief Master Sergeant of the Air Force, Thomas N. Barnes, will be the keynote speaker before the Missouri Air Force Association State Convention being held in St. Louis May 20 and 21.

Sergeant Barnes will speak at the Outstanding Airman Awards banquet Saturday night, May 21st.

The state convention is being held in St. Louis for the first time and will take place at the Marriott Hotel across from Lambert-St. Louis Airport.

According to DMAAC employee Stu Popp, who also serves as convention chairman, the banquet is open to anyone desiring to attend. The price is ten dollars.

The convention will begin on May 20 with registration and hospitality, and continue through

May 21 with business meetings and the awards banquet.

Convention registration is \$12. Center employees desiring more information should contact Stu Popp at the South Annex.

Sergeant Barnes will present the Greater St. Louis Outstanding Airman Award to MSgt. Gary M. Young of the Missouri Air National Guard. In civilian life Sergeant Young is a member of the St. Louis County police force.

The Aerospace Center nominee, SSgt. Thomas C. Howard, was one of the three finalists in the Greater St. Louis area selection. He, along with Sergeant Young and Senior Airman Carol Benhardt, also of the Missouri Air National Guard, competed in the final stages of the selection before a special interview and question and answer panel.

BAG Honors Truman

BAG commemorated President Harry S. Truman on his birthday, May 8, because of his forthrightness, courage and humility. Truman was the first president since Lincoln to make a national issue of human rights. He did this against the advice of his many friends and supporters.

His reply was "... you can't cure a moral problem by ignoring it. It is a disservice to the country to turn away from the hard problems—to ignore injustices and human suffering. It is simply not the "American Way" of doing things. Of course, there are always a lot of people whose motto is, 'Don't rock the boat'. They are so afraid of rocking the boat that they stop rowing. We can never get

ahead that way."

When President Truman was a senator from Missouri he was once confronted by a few members of the Black Airmen's Association who had flown to Washington to lobby for support of legislation to provide funds for pilot training for Blacks. Senator Truman asked to see their planes. Upon seeing them, he replied, "If you have the nerve to fly this junk, I have the nerve to support you."

Let us never forget one of America's greatest presidents who made those unpopular decisions, crucial to Black people and implemented them during a trying period in American history. Blacks are aware of President Harry S. Truman; should you be also?

Police Week Observed

In a letter to members of the DMAAC DoD Guard Force, Major M. L. Brown, Jr., Chief Security Police Division, praised them for their dedicated efforts over the past year.

The letter was occasioned by the national celebration of Police Week, May 15 to 21. The national observance was originated in 1961 by President John F. Kennedy, when he invited "The people of the United States to observe such a period, with appropriate ceremonies and activities, as a tribute to the men and women, who night and day, stand guard in our midst to protect us."

Lindbergh Chart

A replica of the Hydrographic Office chart used by Lindbergh to fly the great circle route over the Atlantic. After returning to the United States, he completed this chart with notes from his flight and autographed it for the people of the Hydrographic Office, the forerunner of the DMA Hydrographic Center.

Bits And Pieces

From the Black book:

Friday the 13th, probably a day I should have taken off. But the DMAAC Derby is being run today and I wouldn't miss that for the world. I'm sure that is the opposite feeling of most contestants ... they'd be glad to miss it.

—o—

Speaking of the "Derby" ... last issue the article on the same subject printed an erroneous time for Herman Easterly, Jr. We said he had run the race last year in 19 minutes and put many of the younger men under. The fact that he ran off and left several younger than he is correct, but his time was ten minutes flat for the mile and a half. Considering he was the senior member of the "thin clads" that time is remarkable.

—o—

You know, it's those little things in life that mean so much. The things you didn't ask for but that someone was kind enough to think of. A case in point is the DMAAC paint shop people and their foreman Arnold Schwedt. During the remodeling of the lobby in Building 36 Arnold noticed that the Orientor distribution boxes no longer matched the color scheme so he and his crew repainted them, and even added a little of their personal touch with a cartoon title on the front of the boxes. I didn't ask them ... they asked me ... it's the little thoughtfulness that counts. Thanks to all.

New Government Paper Specification Standard Out— Stoessel Instrumental

The Joint Committee on Printing under the direction of Senator Cannon has issued a new Government Paper Specification Standard, according to Congressional reports.

Working behind the scenes in the drafting of the publication has been the Chief of the Aerospace Printing and Distribution Department, Otto Stoessel. He had served as chairman of the Technical Subcommittee which prepared the publication.

The committee of paper experts labored for one and one-half years, according to Stoessel, and it required 12 TDY trips to Washington D.C., and many additional hours off the job at DMAAC for Stoessel before the report was complete.

The major significance of the publication is the preparation and/or updating of 77 specifications of printing, writing, map, bond, parchment, deed, cover, Kraft, cardboard, and many

other papers. The improvements of this publication over previous JCP paper specification standards is the development and inclusion of the Part 4 Acceptance Criteria section, said Stoessel. Additionally important is the formatting of the specifications to separately identify printer and user requirements, important when printing work is accomplished by commercial contract.

The Acceptance Criteria section replaces the need for the Public Printer or the JCP to negotiate with the manufacturer on every variance to the standards, a change in practice

Stoessel gave much credit to the Aerospace Center for his committee's development of the Acceptance Criteria since the basic concept of defining and categorizing defects was taken from the DMAAC Flight Information Publication contract which has contained such information for many years.

Recent Retirements

RICHARD J. NUERNBERGER's, FEMAF, disability retirement was effected on March 8. He had 18 years, 3 months Federal service with almost 15 at DMAAC. He was assigned as a boiler plant operator at time of retirement.

JOHN R. WREN, JR., ACMBD, retired effective April 1st, just four

months after reaching the 30 year mark. He was a supervisory cartographer (photogrammetry) and had been at DMAAC 27 years.

WILLIAM L. BARLAR, SDRBA, a photographer (Map & Chart) retired on April 8. He had 29 years, 3 months total Federal service with all but three years at DMAAC.



Aerospace Center Employee Helped Make St. Louis Japanese Garden Possible

The unveiling and official dedication of the largest and finest Japanese garden in North America May 5th at Shaw's Garden in St. Louis was the culmination of many months of hard work for George Sakaguchi of the Aerospace Center Cartography Department.

George's involvement is as president of the Japanese American Citizens League who proposed the idea to Shaw's Garden and held several fund raising events to defray some of the costs. The garden is a gift to St. Louis from the Japanese Americans living here.

At official dedication ceremonies and banquet George Sakaguchi

presented Mayor Iwamoto of Suwa—St. Louis' sister city in Japan, with photos of Earth taken from the Apollo 17 mission. "The dedication and completion of this Japanese Garden," said Sakaguchi, "is synonymous to the Apollo mission to the moon in that physical distance between Suwa and St. Louis has been brought closer together."

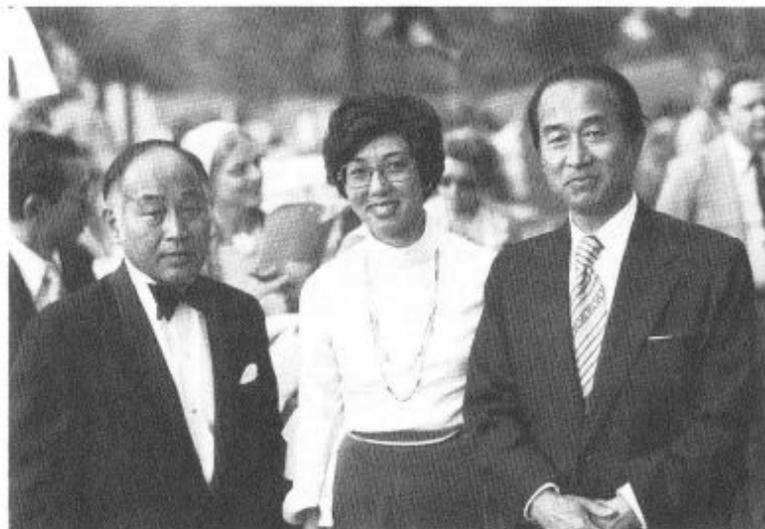
The city of Suwa has donated several items to the garden including an authentic Japanese teahouse, constructed in Japan, disassembled and reconstructed on an island in the Japanese Garden lake.

Other dignitaries attending the

dedication included St. Louis city fathers and the Japanese Ambassador to the U.S., and the Japanese Consul General from Chicago.

The new garden occupies almost 14 acres in the southwest part of the Missouri Botanical (Shaw's) Garden. The garden was three years in the making and represents an investment of some \$1.2 million. It is an unusual composite of plants, lakes, trees, bridges, waterfalls and rocks.

The garden currently is 70 percent complete. This summer the hills surrounding the lake will be done, and time and care will accomplish the rest.



George Sakaguchi (left) poses with the Honorable Kiyoshi Sumiya and his wife following official dedication ceremonies of the Japanese Garden at the Missouri Botanical Garden. Sumiya is the Consul General of Japan from Chicago. Sakaguchi, in addition to being a Center employee, is president of the Japanese American Citizens League who originated the idea for the garden.

Oh, No! An Audit

Some people may be in for a shock when they open an envelope from the Internal Revenue Service (IRS) expecting a refund check and find a letter requesting a tax audit.

Tax audits and the San Francisco earthquake seem to register the same level of intensity of taxpayer Richter scales. The word "audit" implies something negative, possibly even that the taxpayer has been dishonest. This is not the case.

Tax returns are selected for examination for a number of reasons. IRS may want to verify the correctness of the income, along with reported exemptions or

deductions. Some returns are also selected as part of a random sample for research studies.

An audit does not imply that the IRS suspects dishonesty or criminal liability. The ultimate aim of the audit is to ensure that taxpayers pay the correct amount of tax.

If called in for an audit by the IRS, remember you have the right to disagree with the IRS and appeal the examiner's decision. If a taxpayer disagrees with the audit results, the examiner explains the IRS administrative appeals process, as well as how to appeal through the courts.

If the audit is held in an IRS

office, the taxpayer can request a meeting to explain his or her position to the auditor's supervisor. If an agreement is reached, the case is closed. If not, the taxpayer still has appeal options including court.

Lindbergh Era

Continued from Pg. 1

building, the red brick turreted "Castle," a few blocks up the mall from its present location. It was there that Lindbergh would occasionally drop in to see the plane that he called "WE." It was his custom to sit concealed behind a pile of boxes in the corner and look up at his old plane.

Perhaps, one of the best descriptions of what Lindbergh's flight meant to his nation was given by Heywood Brown in the *New York World* when he wrote, shortly after the flight,

April Honor Roll

35 YEARS

Ruth M. Simpson, Vernon D. Zorn, James B. Harding, John A. McCloud, John J. Lipke.

30 YEARS

Luke J. Burns, Arthur S. Balloni, Lloyd H. McCoy, Marian R. Kinsella, Charles A. Bush, Edward V. Granroth, Raymond W. Robertson.

25 YEARS

Johnnie Watts, Richard A. Spiering, Margaret M. Heisler, Clarence W. Berry, John P. Traina, Jr., Charles R. Bonham, Henry O. Thielmann, Leo L. Hutton, Dorothy L. Cooper, Robert M. Simpson.

20 YEARS

George D. Vainikos, Edward H. Randall, Vincent F. McGuirk.

Employee Art Show

Draws Over 100



Over 100 people attended the one man art show held in the DMAAC Dining Hall April 30th. Over 61 items were on exhibition which represented two years of effort by artist Robert Karleskint, SDRG. Included in the collection were acrylic paintings, transparent water colors and pencil sketches.

Most of the subjects for the paintings were developed from observations that the artist made while traveling extensively in Europe and across the United

States. The series of sketches displayed were primarily of subjects taken from the Missouri countryside. The show was open to all Aerospace Center employees and their friends.

Many of those attending found interest in the water colors which were accompanied by the working sketches from which the paintings were created. A favorite interest of the artist is old barns and a variety were displayed in the sketches.

"One had only to venture into any city street after the news of Lindbergh's landing to notice that for a little while the aspect of the world and all its people had magnificently altered. We came up out of slumps and slouches. There was more brotherhood in being than I have ever seen here since the first morning of the Armistice."

Aviation, St. Louis and aeronautical charting have come a long way since the days of Lindbergh, but their advancement would not have been possible if it were not for those, like the "Lone Eagle," willing to take the chance, willing to have faith in themselves and their dreams.



Looking for additional life from that second cup of coffee?

Well, don't, say scientists at the University of Michigan Medical Center. Why? Because your timing may be off.

The reason is quite simple, say the scientists. Seems that second cup affects your neuro—and psychopharmacology habits—you are a victim of caffeine tachphylaxis.

This name means that the caffeine in the first cup of coffee stimulates you, but partially blocks any additional caffeine for about two and a half hours.

It only takes 20 minutes for that first cup to stimulate you, so the scientists advise an early cup if you're looking for a "lift" around 10.

15 YEARS

Billie W. Hopwood, Warren J. Wolfrom, Smedley J. Sizemore
Constance A. Geldmacher, Bessie F. Godair, Rondal Godfrey,
William L. Hansen, Thomas J. Corcoran.

10 YEARS

Ivan L. Coffey, Garry L. Holmes, Emily J. Straub, Gretchen
A. Hawk, Marvin P. Stalock, Andrea M. Kowal, Francis M.
Mirkey, Robert D. Hodge, Kenneth W. Sloan, Laurie J. Daniels.

OUTSTANDING PERFORMANCE RATING

John J. Moreiko, Marshall J. Turner, Bernadine E. Sund-
bakken, Henry E. Sneed, John M. Jolley, Thaddeus A. Sudol,
Clarence B. Windsor, Donald A. Harvey, William Leong, Shirley
V. Long.

QUALITY SALARY INCREASE

Mary Ann Glosecki, John M. Jolley, Catherine M.
Kaeshoefer, Mary Jane Ladd, Ruth M. McCann, Edward L.
Mullen, David E. Shea, Bernadine E. Sundbakken, Robert E.
Yorke, Darrel L. Ziegler.

SUSTAINED SUPERIOR PERFORMANCE

Solomon E. Ball, Frank J. Benedix, Jr., Holmes F. Boroughf,
Wayne R. Brammer, Stella L. Brooks, Nancy T. Clark,
Jacqueline J. Howard, Kathleen M. James, Ronald W. Maret,
Kathryn E. Meder, Irene M. Medlock, John J. Moreiko, John T.
Shocklee, Henry E. Sneed, Robert F. Spors, Thaddeus A. Sudol,
William A. Sypniewski, Charles E. Watkins.

SPECIAL ACHIEVEMENT AWARD

Richard W. Laverty, James L. Tapella.

In Sympathy

Clifford Canterbury, SDDAD, died on Saturday, April 23, 1977. He had been at DMAAC since January 7, 1963, as a cartographer. Services were held on Tuesday, April 26, with interment at National Cemetery.

He is survived by his wife Alma, a daughter and a son.

The ORIENTOR is an official newspaper, published bi-weekly on Friday by and for the personnel of the Defense Mapping Agency Aerospace Center, at St. Louis, Missouri. Opinions expressed herein do not necessarily represent those of the DOD.

Col. James H. St. Clair
Director

David L. Black
Chief, Public Affairs Office
Editor

3rd Annual DMAAC Family Fishing Tournament Tomorrow

The third annual DMAAC Family Fishing Tournament will be held at the ponds at South Annex tomorrow from 2:00 p.m. to 4:00 p.m. Prizes donated by the Civilian Welfare Council will be awarded to the two families with the one largest fish by weight and to the two families with the most fish per participant.

At the previous tournaments all the participants regardless of age caught fish, with some individuals hauling in more than 30 fish during the two hour tournament.

The following rules will be in effect during the Fishing Tournament.

1. Tournament open to civilian and military employees of DMAAC and their families.

2. Each participating family will

register at the start of the tournament.

3. In the largest fish category, the two families with the largest fish by weight will be the winners.

4. In the most fish category, the two winning families will be decided by dividing the total number of fish caught per family by the number of family members participating.

4. Participating family members under 8 years of age will be counted as one-half person.

6. All bass caught during the tournament under 12 inches in length must be returned to the lakes at the end of the tournament.

7. Each participant is limited to one fishing pole.

8. Participants are not to bother the nesting ducks or other wildlife found by the ponds.

NCO's Swing Big Bats, Take Officers In Softball

The following radio sports broadcast was picked up on an unknown frequency after the DMAAC Officer/NCO softball clash April 29th.

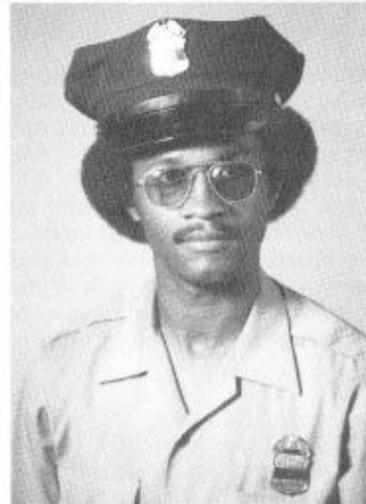
"Hello sports fans, this is 'Knuckleball' Harry with the sports wrap-up. The Cincinnati Reds stomped the Atlanta Braves 14 to 5. The Red Hot Cards whipped the Pirates 10 to 0. The DMAAC NCO's crushed the Officers 21 to 1. What was that score again? Twenty-one to one! I'm not sure sports fans, but I think that might be an all time scoring record in the struggle for supremacy at DMAAC.

"The game took place at the renovated Allison Sport Complex and according to our man-on-the-

"The NCO's hitting was fierce and plentiful. The big sticks for the NCO's were 'Reflexes' Robbie and 'Hot Stick' Hamilton, with four hits apiece. They were assisted by 'Shotgun' Atchley, 'Bomber' Baker, 'Sky-pilot' Bennett, 'Dirty Herbie' Johnson, 'Lightfoot' Howard and 'Secret Weapon' Connie. After the game it was acknowledged that 'Secret Weapon' Connie really was a secret weapon when she got two hits during the game. Along with the fierce hitting, the NCO's displayed outstanding defense by not allowing a runner to cross the plate in the last six innings.

"Well, that's the sports for now. Stay tuned for further develop-

Policeman For April



Sherman Moore was selected as Security Policeman for the month of April because of his outstanding performance during that period, according to Security Police officials.

Moore has gained recognition by his co-workers as a willing and conscientious worker. He always presents a neat appearance and is widely known throughout the DMAAC installation for his courteous and friendly attitude.

He served in the Navy from June 1969 to June 1973 and has been at DMAAC since October 1973.

Help Wanted

Emergency request by DMAAC Military Officer's Softball Players Association—seeking manager for outstanding team. Current manager forced to resign due to recent 21-1 loss to DMAAC NCO team. New manager, even with limited experience coupled with present outstanding player

ASP Meeting May 21

The St. Louis Section of the American Society of Photogrammetry will hold its Annual Dinner-Dance Meeting on May 21st at the Circa 1900 Restaurant, 9993 Manchester Road.

Guest speaker for the meeting will be Vern W. Cartwright, National President of the American Society of Photogrammetry.

Social Hour will be held at 7:00

Ebel VFW Prez

Bernhard C. Ebel II, ACNCA, has been elected Commander of VFW Post 1739 Belleville, Illinois, for 1977-78. The post has 700 members.

Ebel has been a member for 31 years. His wife, Dolores, was president of the auxiliary in 1971-72.

p.m. with a buffet dinner and program starting at 7:30 p.m. Installation of new officers will also be held.

See posters for further details and reservations.

Howard Takes Golf Tourney

DMAAC NCO's took the majority of honors during the Spring golf tournament held April 19th.

Leading the NCO's over the Officers was Tom Howard, followed by Richard Johnson, Art Hamilton, and Glynn Atchley.

The only bright spot for the Officers was the swinging of Bob Tweed. The Officer's fearless

leader Herb Allison was found hitting on the ladies tee on the tenth hole in an attempt to better his score. This was indicative of the Officers' play for the entire day.

Due to the enlisted men's outstanding play they won most of the awards, including the "Snake-Bit" award which was won by Charles Schalk with a score of 164.



and according to our man-on-the-scene, a new "astro-turfless" infield was installed minutes before game time.

stay tied for further developments in the never ending battle for the softball championship at DMAAC."

Lindbergh Route Today

Today Department of Defense pilots and navigators flying the Atlantic from New York to Paris would plot their flight using the Aerospace Center produced Global Navigation and Planning Chart. On board aircraft cartographic publications would include Flight Information Publications and possibly film strips for the cockpit display systems, depending on the type of aircraft.

present outstanding player personnel, could vastly improve team's organization and potential. Chances for team's success can only go up under direction of new manager. Applicants apply to Local 21-1, care of Officer's Association, DMAAC.

Bonds Today Pay Tomorrow

