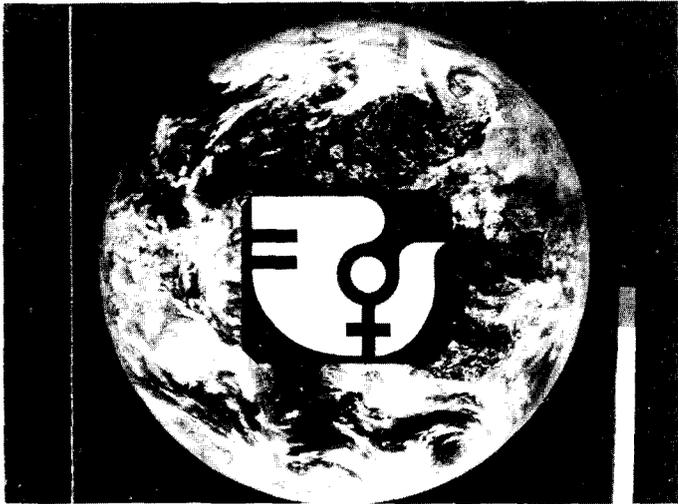


## FEDERAL WOMEN'S WEEK BRINGS "THE WINGS OF CHANGE"



*The World of Humanity  
Has Two Wings  
One is Woman and the  
Other Man;  
Not Until Both Wings  
Are Equal  
Can The Bird Fly*

## MINORITY FEDERAL WORK FORCE PERCENTAGES UP

According to the Civil Service Commission's most recent survey minorities accounted for sixty-four percent of the total increase in non-postal Federal Employment. Since the issuance of Executive Order 11478 on equal opportunity (1969) and the enactment of the Equal Opportunity Act (1972) increases in minority employment have continued to reflect substantial gains. The most significant increases have been in the white collar schedules.

Including the Postal Service, minorities held 21 percent of all full-time Federal jobs, according to the May, '74 survey. The survey also showed that Blacks held 14.6 percent of all non-postal Federal jobs, up from 14.3 percent in May, '73; an increase of 9,314 positions during the one-year period. Spanish speaking employment increased by 3,560 jobs during the survey period, rising from 3.2 to 3.4 percent of total non-postal jobs. American Indian and Oriental American employment remained the same, 1 percent and 0.9 percent respectively.

Government-wide data on full-time Federal employment as of 31 May, '74, reflects that total Federal employment in 1973 was 1,854,557 with minorities in 359,859 positions. In 1974 the Federal non-postal employment figure reached 1,874,539 with minorities in 372,524 positions. Total Postal Service employment statistics for 1974 reached 558,946 with minorities holding 137,537 positions.

Well-known endocrinologist, Dr. Estelle Ramey, Professor of Physiology and Biophysics, Georgetown University Medical School, was the keynote speaker here October 20, as Federal Women's Week opened its week-long proceedings entitled "The Wings of Change."

Deputy Center Director, Dr. Robert Cooper, officially opened the broad spectrum program in Building 3 Auditorium heartily endorsing the event and expressing the hope that employees would avail themselves of the various panels, speakers and workshops open to all.

Author of more than 150 papers on her field of specialization, Dr. Ramey was making her second speaking appearance at Goddard. Last year's (May'74) presentation before the Scientific Colloquium, "The Hormone Basis for Sex Differentiation in Humans," was considered one of the highlights of the series.

"The Wings of Change" also featured Dr. Mary Howell, an authority in the field of child development. A pediatrician, Dr. Howell spoke on "Employed Women and Their Families."

The week's closing address was delivered by the Director of the U.S. Center for International Women's Year (1975), Dr. Ruth Bacon. A diplomat with a distinguished record of service as a U.S. Representative to the United Nations and Foreign Service Officer, Department of State, Dr. Bacon has been Acting Ambassador to New Zealand. She is also a recognized expert in international law, having published widely in both British and American journals.

Federal Women's Week incorporated a wide variety of activities dedicated to providing women an opportunity to reach their highest potentials. Program Coordinator, Ann Merwarth (Code 733) said, "We tried for the greatest possible diversity in our programming in order to create the widest possible appeal while maintaining a professional balance throughout the entire program. We were very fortunate in having such strong senior management support, quality talent and a host of very hard-working people combining to achieve that objective."

"Wings of Change" was sponsored by the GSFC Women's Program Advisory Group whose efforts generated a refreshing breeze throughout the Center.



This is your Equal Opportunity Advisory Group which you elected. Principal objective of the group is ascertaining the concerns and views of employees on EO matters and bringing them directly to the attention of the Center Director (Code 813).

From left seated Virginia Rhodes, Helen Thayer, (Code 801), Ken Davis (Chairman-322), Imogene Davis (Code 245), Roland Van Allen (Code 725). Standing (l-r) Alda Darrah (Code 322), Bella Cole (Code 582), James Shisler (Code 733), William Hocking (Code 814), John Byrd (Code 931), Leon Aguilar (Code 286). Not present for the picture, Helen Bonk (Code 565).

# THE PRIVACY ACT OF '74 BECAME EFFECTIVE SEPTEMBER 27, 1975

This new Law was passed by Congress to assure that personal information about individuals collected by Federal Agencies is limited to that which is legally authorized and necessary and is maintained in a manner which precludes unwarranted intrusions upon individual privacy.

NASA Regulations implementing the Privacy Act CFR 1212 printed in the Federal Register, Vol. 40, No. 184 on Monday, September 22, 1975 places the following responsibilities on all NASA employees (including contractor employees, who in the performance of contract duties, handle personal information subject to the Act):

(1) An employee shall not maintain or establish a system of records which contains personal information about an individual, without complying with the requirements of Subpart 2 of this part, which generally requires publication in the Federal Register of advance notice of the establishment of the system, together with a description of the system.

(2) In maintaining a system of records under this part, an employee shall not collect or maintain information about individuals unless it is relevant and necessary to accomplish a purpose or to carry out a function of NASA required to be accomplished or authorized by statute or by Executive Order of the President.

(3) An employee shall not disclose a record from a NASA system of records without the express consent of the individual to whom the record pertains unless such disclosure is properly authorized in accordance with Subpart 4 of this part. If there is any question as to whether a disclosure is properly authorized, the employee should consult with the Office of General Counsel or Chief Counsel prior to any disclosure.

(4) An employee shall not seek or obtain access to a record in a NASA system of records or to copies of any portion of such records under false pretenses. Only those employees with an official "need to know" may seek and obtain access to records pertaining to others.

(5) Employees shall comply with the safeguard requirements applicable to documents and records subject to the provisions of the Privacy Act of 1974 and this part.

(6) Employees shall refrain from discussing or disclosing personal information about others which they have learned or seen because of their official need to know such information in the performance of their official duties.

Individuals who knowingly and willfully violate the provisions of the Privacy Act may be subjected to criminal penalties.

## RETIREMENT ROLLS TOTAL 1.3 MILLION

Over the past 55 years, the number of annuitants on the rolls of the Civil Service Retirement System has climbed steadily from about 7,000 in 1920 to 939,000 in 1974.

An additional 368,000 survivors of former employees and annuitants were also on the retirement rolls in 1974, resulting in a combined retirement total of about 1.3 million.

While monthly annuities range from less than \$25 to more than \$2,500, the majority are between \$200 and \$1,000.

The number of persons receiving health benefits also has grown substantially from slightly more than a million to 3.7 million in the last 12 years.

"Any man can stand up to his opponents: give me the man who can stand up to his friends."

— William Gladstone  
1809-98

## Goddard Takes Second and Third in the 1975 Federal Trap League

Moved out of First place for the first time in two years, Goddard Trap teams finished second and third. First place was won by a strong, hard hitting team from the U.S. Army Map Service. Trailing Goddard in 1974 by only five birds in the nine event match, with a total of 2250 targets "shot at" by each team, the U.S. Army Map Service finished second. This year they moved into first place standing halfway through the league and remained unshaken finishing with a 23 bird lead. The top Lady gun was Mrs. Jean Saul with Mrs. M. King runner-up. Mr. Frank Shoemaker took a nearly lead for top Man's gun with Mr. C. Starbur as runner-up.

The Federal Trap League is conducted on the joint Goddard-Fort George G. Meade Rod and Gun Club's range located near Laurel, Maryland. The facility was constructed and funded by members from both clubs. The range consists of a Skeet range, ATA Trap range and a modified International trap range. It has been in operation since 1971, each Wednesday from 5:00 P.M. to 9:00 P.M. and Sunday, 1:00 P.M. to 5:00 P.M.



WALT CARRION (Code 750) President of Goddard's Trap and Skeet Club presents "Lady High Gun" trophy to winner Jean Saul.

### 1975 RESULTS

- 1st MAPPERS (U.S. Army Map Service)
- 2nd DUSTERS (Goddard Space Flight Center)
- 3rd FULL CHOKES (Goddard Space Flight Center)
- 4th SMOOTHBORE (National Security Agency)
- 5th ARC (U.S. Agriculture Department)
- 6th PRINTERS (U.S. Government Printing Office)
- Top Lady Gun — Mrs. Jean Saul
- 2nd Lady Gun — Mrs. M. King

- Top Man Gun — Mr. Frank Shoemaker
- 2nd Man Gun — Mr. Carl Starbur

The Goddard Trap and Skeet Club has a very active calendar planned for the Fall 1975. Special Open House for National Hunting and Fishing Day, 1975 Fall League for Novice and Experts and a Training Session for Novice at the new Winchester Shooting Range. For information — call P. Spadin, Ext. 5611, R. King, Ext. 4405, W. Carrion, Ext. 5051.

## OUTSTANDING PERFORMANCE RATINGS

Margaret Becker  
 Lucille Bernatowicz  
 George Coletto  
 Jeanette Hines  
 Gayle Jacobs  
 Robert Keefe  
 Beverly Lewoc  
 Robert Monroe  
 Helen Perry  
 James Robinson  
 Joan Sisk  
 \*Nancy Kemper  
 \*Ben Pagac  
 \*Mark Gielecki  
 \*Wayne Chen  
 \*Richard Austin  
 \*John Langmead  
 \*Earl Reese  
 \*Henry Arneson  
 \*Linda Martin  
 \*Robin Brooks  
 \*Adelaide Cochran  
 \*Lillian Fleenor  
 \*Laura Simmons  
 \*Theodore Siomporas  
 \*Robert Warren  
 \*Robert Kirk  
 \*Micael Lauomirak  
 \*David Sudduth  
 \*Upton Walters  
 \*Karl Esch  
 \*Frank Ferrell  
 \*Robert Luddy  
 \*Glenn Fuller  
 \*Tom Hamilton  
 \*Jacqueline Gasch  
 \*Kurt Evans  
 \*John M. Rigby  
 \*Joanne Milazzo  
 \*Allen Harris

\*1975 Outstanding Performance  
 Service Recognition



**GODDARD'S COMPUTER SPECIALIST Kathleen Hipkins, demonstrates the Medical Information Management System (MIMS) for Dr. Jasper Williams, newly elected head of the National Medical Association at the association's recent 80th annual convention in Miami Beach, Fla. MIMS is a generalized information system for the recording, storing and retrieval of medical data that may be utilized by either hospitals or individual doctors.**

## STUDENT DESIGNER OF VIKING LANDER EMBLEM VISITS GSFC

Peter P. Purol, a high school student at the Dundalk Vocational Technical Center, Baltimore, Md., and winner of the national contest for the best Viking Lander mission emblem, visited the Center recently as a guest of Dr. John F. Clark.

Peter's design was selected over 10,000 other entries in a competition conducted by NASA and the National Science Teacher's Association.

In his accompanying essay, Paul identified each component of his design, delineating the significance as they related to the original Viking Norsemen. "They are best remembered for their daring voyages over the raging seas, in vessels considered the best in that era. America's 'Viking'



will in 1976 duplicate the tremendous feats of our predecessors, for they'll have the same life-probing objective—the main difference being their destination," wrote Peter in his winner.

For a copy of the full text of the Purol essay contact Elva Bailey, Educational Programs Office, Building 8.



**DESIGNER PUROL with host Clark in Center Director's office.**

## SIX YEAR URANUS PROBE STUDIED

NASA is considering a six-year space mission to mysterious Uranus, seventh planet from the sun, a flight with an option that could swing the probe on to distant Neptune three years later.

The mission is being studied for possible inclusion in next year's NASA budget and Headquarters has invited scientists around the world to propose experiments for the flight that would be launched in November 1979.

Currently Pioneer 11 is headed for Saturn, sixth planet from the sun, and a more sophisticated Mariner probe will be launched in 1977 to investigate Saturn in 1981.

A subsequent mission to Uranus and Neptune would mean that every planet in the solar system—save one—would be probed by U.S. spacecraft by 1988, including Mercury, Venus, Mars and Jupiter visited to date.

Only Pluto, outermost of the sun's nine planets, would remain unvisited by that time. Little is known about Pluto, a planet that orbits the sun at a distance of 3.6 billion miles, more than 39 times farther than earth.

If the Uranus mission is approved, the project would be assigned to the Caltech's Jet Propulsion Laboratory where preliminary planning for such a project is being conducted.

The spacecraft to be used would be adapted directly from the Mariner probe now being developed at the Jet Lab for the 1977 mission to Saturn by way of Jupiter.

The Uranus mission also would investigate Jupiter enroute and use the gravity of that enormous planet to hurl the spacecraft on to Uranus which orbits the sun at a distance of 1.77 billion miles.

If the spacecraft is still healthy when it approaches Uranus there should be no reason why it could not use the gravity of that planet for another boost and fly on to Neptune a billion miles deeper in space.

# A&M HONORS CAREER SERVICE AND OUTSTANDING PERSONNEL

New Deputy Director, Dr. Robert Cooper, was the guest speaker at the recent A&M Awards ceremonies conducted in Building 8 Auditorium by William A. Mecca, Director of Administration and Management.

Theme of the event centered on Dr. Cooper's pledge to continue a vigorous, aggressive, and dedicated management style in the manner of his predecessors and the inimitable scientist for whom the center is named. Mr. Mecca dealt more specifically with his personal views on his management style as Director of Administration and Management. He pointed out that "one of our prime functions is service to the rest of the center." Noting that recent selections of individuals receiving awards are service oriented, Mr. Mecca further called for managers and supervisors to "understand that individuals are our prime asset and must be encouraged to participate in the conduct of the Directorate's responsibilities."

Mr. Mecca identified the new A&M Newsletter as one of his efforts to "open communication channels between all of us." Following through on a series of observations regarding personal growth and development, Mr. Mecca addressed his comments to those persons willing to make demands upon themselves. Using a favorite expression to illustrate the kind of encouragement he intends providing throughout the Directorate, he said, "You are better and more capable than you think you are, therefore, expand your horizons!"

Terminating his brief but fact-filled address, Mr. Mecca guided his audience through some future considerations such as property and equipment management, assessment of administrative policies and the application of administrative techniques commensurate with the tasks that lie ahead in the era of Space Shuttle and Year 2,000.

Those recognized for length of service, special accomplishments and excellence through personal effort and dedication were:

## 10 YR.

### CAREER SERVICE

Robert L. Ball  
Shirley V. Beach  
Richard N. Crone  
Philip N. Crowley  
Michael A. Cushman  
Charles W. Duellely  
Joseph D. Duffy  
Patricia E. Dunn  
David M. Gayle  
Gerald A. Gonzales  
Gloria J. Goodman  
Martha E. Harding  
Kenneth F. Jacobs  
Nickles G. Keenan  
David A. Reuben  
Raymond Sanetrik

Barbara J. Sargent  
Robert T. Schools  
Leroy W. Scriba  
Mary E. Shoe  
Wanda L. Simpson  
Joan L. Sisk  
Robert J. Sorrell  
Ralph J. Strnad  
Robert C. Sutphin  
Eugene D. Thomas  
Raymond Topolski  
Peter Videnieks  
Leon C. Warren  
Stephen M. Wingreen  
James E. Zerega

## 15 YR.

### CAREER SERVICE

Ralph L. Adams  
William H. Allphin  
Lloyd T. Bowser  
John P. Callan  
Jane L. Carpino  
Edythe S. Coopersmith  
Margaret R. Cox  
Ronald R. Dapice  
John E. Donaldson  
Charles L. Dunfee  
William K. Etheridge  
Lydia P. Fominaya  
Rudolph V. Gerace  
John E. Green  
Hessie M. Harrington  
Jerome H. Horton  
David A. Keenan

Helen A. Kelley  
Nancy J. Kemper  
Charles Q. Lindeman  
Ethel S. Mesler  
Albert M. Moore  
Marion B. Palmisano  
Toyo Sakamoto  
Eugene H. Smith  
Glenn A. Thiel  
John Thomas  
John J. Tominovich  
Andrea M. Volpicelli  
George Washington  
Jacob L. Weaver  
Leon T. White  
George R. Woods

## 20 YR.

### CAREER SERVICE

Raymond W. Baker  
Joseph B. Bourne  
Erin C. Bouton  
Robert S. Bujanski  
Karl E. Bushong  
Richard A. DeMarco  
Morris Gelman  
William S. Hall  
Allen N. Harris  
Joseph L. Hartinger  
Tommie Hewitt  
Dudley W. Howard

Jean E. Hubbard  
Richard R. Hultberg  
J. Edgar Lichtenstein  
William A. Mecca, Jr.  
Mary L. Miller  
Edwin L. Purschwitz  
Andrew C. Schade, Jr.  
Howard W. Schaffer  
Donald C. Sines  
Donald E. Witten  
Christine D. Yates

## 25 YR.

### CAREER SERVICE

Herbert J. Fivehouse  
Francis D. Frederick  
Leroy Hogan  
Louise A. Hysan  
Herbert A. Kahl-Winter  
Dale L. Lund  
Stanley D. Manuel  
Harry C. McCord  
Robert S. Nisson  
William P. O'Leary, Jr.  
Daniel F. Stotler

## A NEW WORLD RECORD FOR GODDARD

Science? Engineering? Physics? Tracking? Communications?

We did it in one of our famous specialties, right?

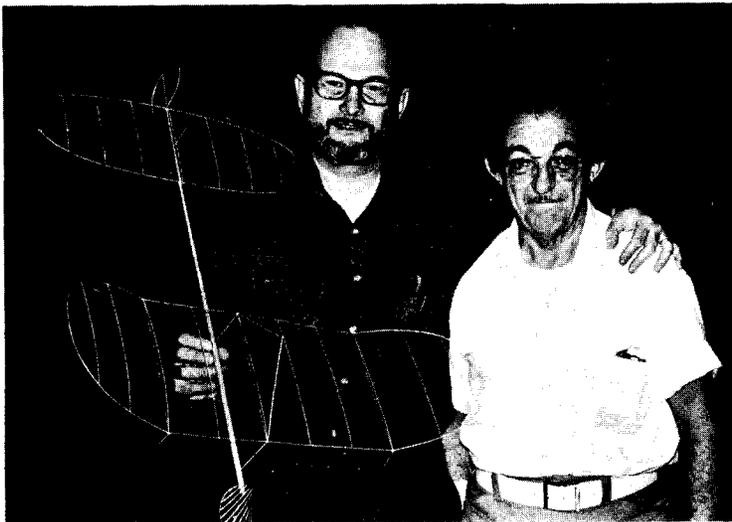
Wrong! . . . Model Airplanes!

One More Time? . . . Model Airplanes!

Yes record lovers, it all happened on August 22nd when Tom Vallee (Code 724) flew his world class competition model airplane "Boojum" for a world record breaking twenty-two minutes, forty-five seconds, topping the previous mark, held by Bob Platt of NASA Langley, by some thirty-five seconds.

Vallee, one of the GSFC model airplane club's more serious competitors, set the tentative Federation Aeronautique Internationale indoor world record in Goddard's Building 8 Auditorium.

Considered by many in the model aviation sport as the ultimate in free flight competition, the indoor competition, delicate craft such as Vallee's, weigh less than half the weight of a U.S. copper penny (.047 ounce). Construction techniques have been compared to "fixing flutters on butterflies." Powered by precision slit rubber bands of wine-like "vintage years" quality, airframe structures are covered with a plastic film the thickness of a soap bubble. Lifting air foils such as wings are so light and flexible they must be braced with .0008" diameter monofilament to prevent collapse under flight loads.



**WINNER VALLEE** with Trial Judge Mike Poorman, holding record breaking "Boojum".

Vallee has held the FAI Category 1 (8 meter ceilings) national record several times. His August triumph represents a first for him in world record competition.

The sport is one of the more scientific forms of model flight activity and attracts a very high percentage of technical people as well as aviation professionals.

Trial Judge Mike Poorman and Chief Timer Danny Sheelds were kind enough to contribute their evening to officiate the historic "first".

Ed Note: Poorman and Sheelds must be talented fellows. How do you get good at judging and timing flight events at walking speeds and 45-60 RPM prop speeds?

## PAYDAY MAYDAY! COMPUTER MALFUNCTION! PAYDAY CANCELLED!

What would you have done had you received this notice instead of your check on payday? It might have happened were it not for the hard work of a group of Goddard and contractor personnel.



**UNSUNG HEROES** of the "Payday Mayday!" from left are: James Head, Carl Wilbert, Bill Evans, Lowell Vaughn and Michael Armstrong.

On Monday, August 18th the 360/40 used by the Management Systems Office (MSO) to process payroll went down. It was the first day of the payroll processing cycle. Tuesday morning the system was still down. Upon analysis, a serious hardware malfunction was discovered. The senior MSO payroll system analyst was on vacation. Ron Brunner, the newly appointed MSO Branch Chief had a problem. He faced a 9:00 A.M. deadline on Wednesday to deliver the payroll tape to treasury or no one at Goddard would receive their paychecks on Friday.

With part of his key payroll system personnel unavailable and his computer down, Mr. Brunner co-ordinated an emergency task group to come to the rescue. The group was comprised of people from MSO, FMD, PRC, CSTA, and Science and Applications Computing Center (SACC). Collaborating their expertise in the field of ADP, they moved the entire system to the SACC 360/75 and saved the payroll.

Payday on August 22nd came and went as usual. The near catastrophe had been averted and except for those involved and a smattering of on-the-scene bystanders, none were the wiser. To those of you who were involved, we thank you.

A Civil Service Commission study released in August reveals that only a small number of retired federal workers return to government as reemployed annuitants.

The survey, which covered 95 agencies, shows that 3,154 retirees (about 0.1 percent of the workforce of 2.8 million) were employed in April 1975; of these, 58 percent were working less than full time. Of the 95 agencies, 73 had reemployed annuitants working for them. Agencies employing the largest numbers of annuitants were Department of the Interior (369), Navy (337), and Veterans Administration (336).

● ● ●

## GODDARD UNITS ASSIST IN SCOUT CAMPORAL

Camp Robert Goddard was the site early this month where a Space Science Education Spacemobile, the Goddard Rocket Club, and two elements of the Goddard Amateur Radio Club participated in one of the nation's largest scouting events, Scout Discovery Camporal.

Under the sponsorship of the Boy Scouts of America National Area Council, the event took place on a 1,000 acre site between Largo Road and Central Avenue, west of U.S. Route 301, south of Bowie. Camp Goddard, located directly across the road, served as the science instruction and enrichment center for the campout experience. Lloyd Aronson, Spacemobile teacher, Office of Public Affairs, Educational Program Office, served as Space Science Merit Badge counselor.

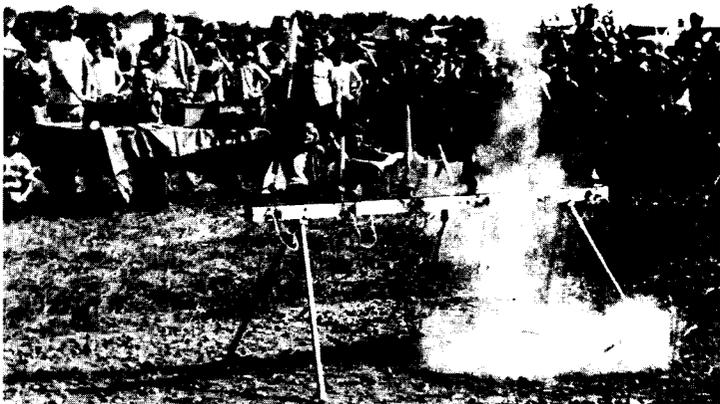
Goddard "ham" radio operators and model rocketeers held hourly demonstrations for the estimated 15,000 "Camporalers." The rocketeers were units of the National Association of Model Rocketry—groups of youngsters sponsored by Goddard employees whose aim is to build and safely fly model rockets.

Actual communications with the OSCAR amateur satellite was a highlight of the event with many of the scouts closely observing and participating. The Club also demonstrated a two-meter FM station with self-contained power. Camporalers were fascinated to learn that the use of OSCAR will permit "hams" to communicate with each other over thousands of miles as compared with the normal hundreds as is the case with regular "ham" gear.

Good weather, clever planning and coordination, plus super demonstrations combined to produce an enriching experience for a whole lot of youngsters.



**CAMPORALERS** at the Goddard Amateur Radio Club's demonstration center, Camp Robert Goddard. On table are portions of OSCAR and two-meter FM stations used in Scout Discovery



**A PORTION** of the 15,000 Scout Discovery Camporal participants witness NARHAMS (National Association of Rocketry Hqs. Astro-Modeling) launch event during three day session near Bowie, Md.

## REMINDERS:

The Goddard Women's Club held their first meeting on September 17. Theme of the event was "Bicentennial."

All female employees, wives of employees, retired personnel and contractors are invited to join the club.

Interested? O.K.! Contact **MARY KAY GLEASON**..345-8694 or Sally Godfrey..577-5719 for some interesting poop!

## A WELCOME TO NEW EMPLOYEES



Goddard welcomes newly arrived employees. From left Donald L. Wood (Code 862), Robert D. Marchant (Code 204), Vickie Pendergass (Code 626), Deborah L. Wallace (Code 235.2), Edward J. Murphy (Code 246), David M. Battany (Code 731.1), Robin Brooks (Code 222), and Victor S. Reinhardt (Code 810).

## SIDE BARS

After 18 months of receiving monthly gas bills and visits by meter readers, architect John Bugden, of London, England, finally convinced the North Thames Gas Board that his office is all electric.

The board apologized. Two weeks later they sent around a man to remove his nonexistent gas meter.

•••

UCLA's Nobel Prize winning Dr. Willard F. Libby discovered that the ages of biological samples can be determined through the extent to which radioactive carbon—carbon 14—within them has decayed. Since the organism, be it tree or sea creature, no longer incorporates carbon 14 into its wood or shell once it dies, the extent of carbon-14 decay is a measure of time elapsed since death.



**BELIEVE IT OR NOT!** One of Goddard's "Most Eligible," Carl Mohrwinkel, defects!!

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