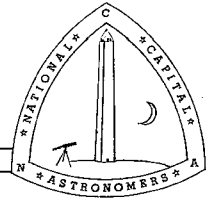


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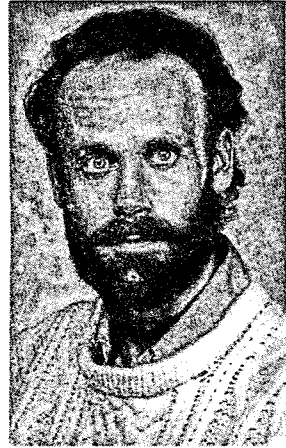
IAU Names Three Asteroids for NCA Members



DR. ROMAN



DR. DUNHAM



DR. A'HEARN

The International Astronomical Union has recently honored the above three NCA members by naming asteroids for each of them in recognition of their outstanding contributions to the science: Asteroids (2516) Roman, (3123) Dunham, and (3192) A'Hearn.

NCA is proud of these eminent scientists! In announcing these honors, the IAU cited each as follows:

"(2516) Roman, named for Nancy Grace Roman, a space-age astronomer who joined the staff of the National Aeronautics and Space Administration during its first year and who served with distinction at NASA headquarters in positions of increasing responsibility for two decades. Her earlier professional experience included positions at the Yerkes Observatory and the U.S. Naval Research Laboratory. Her many honors include the NASA Exceptional Scientific Achievement award in 1969, the NASA Outstanding Leadership award in 1978, and four honorary degrees."

Dr. Roman received the B.A. in astronomy with Honors from Swarthmore College and her Ph.D. in astronomy from the University of Chicago. Among her long, impressive list of other honors, she has received four Honorary Doctor of Science degrees. In her supergrade position at NASA she has been responsible for the scientific aspects of NASA's astronomy and relativity programs, including the Orbiting Solar Observatories, Geodetic Satellites, Orbiting Astronomical Observatories, Small Astronomy Satellites, Astronomical Netherlands Satellite, International Ultraviolet Explorer, Radio Astronomy Explorer, and the Hubble Space Telescope. Her responsibilities included development of the programs, organization of the scientific participation, and insuring the scientific integrity of the programs and their maximum return. She reads technical papers in

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HONORS, From page 41

French, German, Spanish, and some Russian. Throughout her career she has continued her formal education through many courses. Dr. Roman has published extensively and is a member of numerous professional societies.

"(3123) Dunham, named for David W. Dunham, American astronomer and organizer of the International Occultation Timing Association. Dunham has played a cardinal role in collecting and analyzing occultation observations, particularly those involving asteroids and grazing occultations by the Moon. In addition, he has stimulated many observers to make accurate and useful timings of occultation phenomena."

Dr. Dunham received the B.A. in astronomy from the University of Michigan and his Ph.D. in celestial mechanics from Yale. He joined Computer Science in 1976, where he is involved in dynamic analyses of space missions. It was Dunham who designed in detail the complex orientation maneuver through and around the Earth-Moon system that sent the ICE spacecraft through Comet Giacobini-Zimmer in 1985. Through the International Occultation Timing Association, which he founded, he coordinates occultation observations worldwide, and regularly leads expeditions to any part of the world. His dedication has led to the discovery of apparent asteroidal satellites and the profiling of asteroids by multiple occultations. He has worked closely with the U.S. Naval Observatory for many years on the occultation and solar radius variation monitoring programs. He publishes prolifically, and is a member of several professional societies.

"(3192) A'Hearn, named in honor of Michael F. A'Hearn, professor of astronomy at the University of Maryland. A prominent student of cometary physics, A'Hearn has pursued coordinated spectroscopic and spectrophotometric observations of comets spanning the spectral interval from the vacuum ultraviolet to the radio region. He participated in the 1983 discovery with the IUE spacecraft of diatomic sulphur in the spectrum of Comet IRAS-Araki-Alcock (1983d) and has made many other important contributions to our current understanding of comets."

Dr. A'Hearn received the B.S. in physics from Boston College and his Ph.D. in astronomy from the University of Wisconsin. Since then he has been a faculty member of the University of Maryland, where is now Acting Director of the Astronomy Program. Dr. A'Hearn's extensive research has included polarimetric observations and modeling of the atmosphere of Venus and diffuse bands of interstellar mater. He is involved in photometric and spectroscopic of comets at ultraviolet, optical, infrared, and radio wavelengths, modeling of theoretical spectra and vaporization processes, and comparison with Earth-approaching asteroids. He also observes occultations of asteroids for comparison with cometary nuclei. He is Chairman of the Working Group on Cometary Filters, International Astronomical Union Commission 15, Member, MOWG for NASA Planetary Astronomy Program, and was Discipline Specialist for Photometry and Polarimetry for the International Halley Watch and a member of the Astro Halley Science Team, and is a member of National Capital Astronomers.

NCA MEMBER SIGN-IN PROCEDURE AT NAVAL OBSERVATORY REVISED

Members using the NCA Clark refractor at the Naval Observatory can now sign in and pick up the Building 25 key at the main gate guardhouse, and proceed directly to the NCA telescope. The guard will hold your key pass until you return with the key.

The key pass is valid only when accompanied by a current NCA membership card, and only for admission to Building 25.

The NCA Alvan Clark 5-inch refractor is housed at the Naval Observatory for the use of all members who have checked out on the instrument and the rules for its use. If you have not obtained your key pass and would like to use the telescope, call NCA, (301) 320-3621, to make an appointment for your check out.

AUGUST CALENDAR

Fridays, 7:30 pm -- Telescope-making classes at American University, McKinley Hall basement. Information: Jerry Schnall, 362-8872.

Fridays, 9:00 pm -- NCA 14-inch telescope open nights. Call Bob Bolster, 960-9126.

Tuesdays, 7:30 pm -- Telescope-making classes at Chevy Chase Community Center, Connecticut Avenue and McKinley Street, NW. Information: Jerry Schnall, 362-8872.

OCCULTATION EXPEDITION PLANNED

Dr. David Dunham is organizing observers for the following grazing lunar occultation. For further information call Dave at 585-0989.

UT		Place	Vis	Pent	Cusp	Min
Date	Time		Mag	Sunlit	Angle	Aper
08-29-86	08:04	Hollywood, MD	5.6	31	15N	50 cm

NCA WELCOMES NEW MEMBERS

Duane A. Baugher
7015 Leyte Drive
Oxon Hill, MD 20745

Stuary and Mary Broad
3709 Williams Lane
Chevy Chase, MD 20815

Edith and John Conron Family
311 Beverley Drive
Alexandria, VA 22305

Susan A. Harrison
35 Cumberland Drive
Gettysburg, PA 17325

Philip L. Otterness
722-A South 15th Street
Arlington, VA 22202

Virgil and Darlene Spurlock
3100 S. Manchester St, T-14
Falls Church, VA 22044

Correction: Joan Carstensen was earlier listed as John Carstensen. We regret the error.

REMINDER ON USE OF NCA MEMBERSHIP DIRECTORY

NCA President Cawelti reminds members that the NCA membership directory is for the personal use of members, and is not to be used for commercial promotions. While it is distributed to certain institutions for official use in conjunction with NCA operations, thus cannot be entirely protected, it is NCA policy to discourage its unauthorized use. NCA does not endorse any make, model, or dealer of equipment or services other than those provided through NCA for the membership.

TAKE NOTE: NCA ACQUIRES NEW LOCATION FOR LECTURE SERIES

In the continuing effort to maximize the usefulness of National Capital Astronomers colloquia to all who benefit from them, NCA has arranged to hold the monthly lecture series in the very well known Albert Einstein Planetarium of the National Air and Space Museum. The change will be effective with the 6 September 1986 lecture.

It is felt that the scientific environment and scientifically trained staff will provide a very appropriate setting in which to continue to bring the horizons of the astronomical sciences to all concerned. We are looking forward to a long and increasingly fruitful relationship with NASM.

The National Air and Space Museum is located at Seventh Street and Independence Avenue, and is a short walk from the Seventh Street and Maryland Avenue exit of the L'Enfant Plaza Metrorail station. Street parking is available on Saturday Evenings at the Museum.

NCA is grateful to the staff of the U.S. Department of Commerce for their very helpful cooperation over the past several decades during which NCA has used the Department's facilities.

APPOINTMENTS CONTINUED

NCA President Stanley Cawelti announces continuation of the following appointments for fiscal 1987: The Board of Trustees will continue as the Nominating Committee. Science-Fair Awards, District of Columbia, Jerome Schnall; Arlington, John B. Lohman; Northern Virginia, Robert N. Bolster; Montgomery County, Jay H. Miller; Prince Georges County, Walter I. Nissen. Delegate to the Washington Academy of Sciences, Robert H. McCracken. Delegate to the Astronomical League, G. Robert Wright. The Program Committee will continue to be chaired by the Vice President, Jay H. Miller.

EXCERPTS FROM THE IAU CIRCULARS

1. June -- Comet Machholz (1986e), discovered by Donald Machholz in May, was found to be periodic, with a period of 5.3 years and a perihelion distance of 0.12684 AU. It was at perihelion in April.

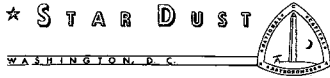
2. July - French radioastronomers using the Nancay radiotelescope detected three OH mesasasers in extragalactic IRAS sources. Two of these showed H-I (21-cm) line emission, the third showed absorption. The recently discovered mesasaser in III Zw 35 showed an H-I emission line with an absorption feature.
R.N. Bolster

FOR SALE

Questar 3.5-inch, with 40x, 80x, and 160x oculars, sunshield, and carrying case. Best offer by September 1. Pauline Mackey, (202) 337-1520.

STAR DUST may be reproduced with credit to National Capital Astronomers.

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