

C. Hammond H.S.; Miss Johanna B. Kirstein, McLean H.S.; Dr. Berenice G. Lamberton, Paul Jr. H.S.; Miss Katharine Shields, Garfield Elementary School.

Certificates of Citation were presented to: Mrs. Dorothy Arnold, Tuckahoe Elem. S.; Mr. Alfred H. Benna, Newport Jr. H.S.; Sister Mary Bennet, Sacred Heart Academy; Mrs. Anita Bickford, Leland Jr. H.S.; Mrs. Ellen Bortz, Walter Johnson Jr. H.S.; Mrs. Catherine S. Bride, Takoma Park Jr. H.S.; Col. K. T. Brunsvold, St. Stephen's S.; Rev. Angus N. Carney, Archbishop Carroll H.S.; Mrs. Althea R. Carrick, Glenn Dale Elem. S.; Mrs. Lillian Casey, Bethesda Elem. S.; Sister M. Margaret Charles, Academy of the Holy Cross; Mrs. Elsie Covell, Annandale Elem. S.; Mrs. Madeline H. Curtis, Western H.S.; Mrs. Helen Dawson, Cynthia Warner S.; Mr. James R. Dietz, Mt. Rainier Jr. H.S.; Mr. William W. Duncan, Francis Jr. H.S.; Mrs. Sophia R. Edwards, Anacostia H.S.; Mrs. Margaret Eimer, Chesterbrook Elem. S.; Mrs. Lucille R. Fonnannon, Mount Daniel Elem. S.; Miss Willye B. Freeman, Jackson Elem. S.; Mrs. Thelma L. Garrett, Hyattsville Jr. H.S.; Mr. James S. Gaskins, Luther Jackson H.S.; Miss Mattylen Gassett, Suitland Elem. S.; Mrs. Ruth S. Genzler, Rollingcrest Jr. H.S.; Mrs. Virginia M. Good, Eastern Jr. H.S.; Mrs. Alice B. Goode, Pine Crest Elem. S.; Mrs. Katharine M. H. Hammond, Falls Church H.S.; Mrs. Pamela G. Hanrahan, Oxon Hill H.S.; Mrs. Anna B. Hawes, Fairlington Elem. S.; Mrs. Francis L. Hiett, Jefferson S.

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Mr. Charles P. Scott, Wakefield H.S.; Mr. Harold Sheridan, Lynbrook Elem. S.; Mr. Robert

## JOINT BOARD

### Local Teachers Honored on E S and A Day

The annual Engineers, Scientists, and Architects Day luncheon held at the Presidential Arms on Thursday, February 25 was the occasion for the presentation of Distinguished Teacher Awards to twelve local elementary, junior high, and senior high school teachers. In addition, seventy five others were presented Citations for outstanding teaching of science and mathematics in the local area schools.

Engineers, Scientists and Architects Day was established several years ago to honor and call attention of the public to the contributions of these professions to human progress. Each year distinguished members of these professions who have made outstanding contributions are singled out for recognition. Because of the prime importance of good teaching in technologic advancement, it seemed proper to honor outstanding teachers at the same time. Accordingly, the Distinguished Teaching Award was inaugurated by the Joint Board on Science Education in 1958. From nominations by school principals, twelve are selected for the award which consists of a Citation and a personalized copy of a scientific encyclopedia. Others are presented Certificates of Citation. All are honored guests of the Board at the luncheon.

Distinguished Teacher Awards were presented to Mrs. Sarah B. Adams, Calvin Coolidge H.S.; Mrs. Edith M. Allen, Burrville Elementary School; Mrs. Virginia W. Biedler, Randle Highlands Elementary School; Mrs. Edith L. Carter, Adelphi Elementary School; Mrs. Helen N. Cooper, North Bethesda Jr. H.S.; Mrs. Pauline Diamond, Sherwood H.S.; Mr. Thomas P. Hillman, Gunston Jr. H.S.; Mr. Charles Kilbourne, Suitland Sr. H.S.; Mr. Howard E. Kerr, Francis

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## JUNIOR ACADEMY

Reported by David Malin, Chairman  
Publications Comm. WJAS

Ten members of the Junior Academy were recently honored by the national Science Talent Search. One of them, Samuel R. Friedman of Woodrow Wilson High School, has been selected as one of the 40 national finalists. As a finalist, he will exhibit his research work in astronomy at a Washington exhibition early in March and will be eligible for scholarship awards.

Friedman's research project was entitled "An Analysis of Dark Markings On The North Equatorial Belt of Saturn". The markings were observed primarily through the National Capital Astronomers' five-inch refractor telescope on the Naval Observatory grounds and were analyzed for spatial frequency. The resulting frequency curves did not conform to theoretical expectation. Friedman theorizes that this may be due to optical illusion, or to the pattern of reflection from the planet's rings. He is now planning further work on this problem.

Other Junior Academy members who have been selected for the Science Talent Search honors group include the following high school seniors: Patricia Page, Anacostia, Kenneth D. Taylor, Anacostia, Steven Boltt, Bethesda-Chevy Chase, Cathy Briggs, Bethesda-Chevy Chase, Michael Brownstein, Northwestern, Frederick Moore, Richard Montgomery, Thomas Pike, Washington and Lee, Gilbert Fritz, Wakefield, and Frank Taylor, McLean. The research work of these winners will be published in the first issue of the Journal of the Junior Academy.

The research work of these area winners varied widely. For instance, Frederick Moore performed experiments on thermo-electric conduction, while Cathy Briggs made a study of Carotenoids and Vitamin A. Steve Boltt designed computer circuits and Gilbert Fritz designed a rocket system. Michael Brownstein presented a seismic model study.

The annual joint meeting of the WJAS with

the Chemical Society of Washington was held on February 11. The main speaker was Dr. James Schulman of Naval Research Laboratory, who spoke on "Crystals: A Study in Order and Confusion". Dr. Schulman emphasized the development of our concepts of the crystal lattice on one hand, and such diversifying factors as dislocations, interstitial vacancies and impurities on the other.

During the program, the officers of the Junior Academy summarized the activities of this Fall and Winter. They stressed such achievements as the Science Convention, the publication of the Redbook, the Science Trips, and the closer relationship with the school science clubs.

The Annual joint meeting of WJAS with the Washington Academy of Sciences takes place on March 19. At that time, the Junior Academy will honor the Talent Search winners.

## SCIENCE AND DEVELOPMENT

**A new physical sciences lecture hall at the University of Maryland has been named in honor of Nathan L. Drake**, former head of the Chemistry Department, who died last October after 33 years of distinguished service to the University. The building, adjacent to the chemistry building at the north end of the campus, was constructed under Dr. Drake's supervision at a cost of about \$250,000. It has a large lecture hall with a capacity of 360, a smaller lecture hall, and a classroom.

**Ciencia interamericana** is the name of a new bimonthly periodical, of which Volume 1, Number 1 has just been issued by the Panamerican Union. This publication will carry news of scientific accomplishments in countries of the Western Hemisphere, as well as reports on activities of the Panamerican Union in various fields of science. The first issue contains a feature article by Bernardo Houssay, "Importancia del adelanto científico para el desarrollo y prosperidad de las Americas"; another on "El Oceano —La ultima gran frontera"; news of the Organization of American States; and sundry reports on hemispheric scientific activity.

**The Smithsonian Institution has received and placed on display a carbon specimen received from French Equatorial Africa**, that weighs 740.25 carats and is the largest in any U. S. museum, and possibly in the world. Carbon, sometimes called carbonado or black diamond, is an opaque, black, tough, compact variety of diamond. It is unexcelled for diamond rock drilling, but because of its scarcity is used only where ordinary industrial diamonds cannot operate. It is also useful in truing hard rubber wheels and other difficult grinding operations.