

*U.S. Department of Commerce*

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Twelfth Annual  
Honor Awards Program



*U. S. Department of Commerce*

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**Twelfth Annual  
Honor Awards Program**

*February 18, 1960, 3:00 p. m.*

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*Department of Commerce Auditorium  
Fourteenth Street, between  
E Street and Constitution Avenue N.W.  
Washington, D.C.*

# Program

INTRODUCTION . . . . .	<i>Carlton Hayward</i>
DIRECTOR OF PERSONNEL	
ADDRESS . . . . .	<i>Hon. Frederick H. Mueller</i>
SECRETARY OF COMMERCE	
PROGRAM ANNOUNCEMENTS . . . . .	<i>John F. Lukens</i>
DEPUTY DIRECTOR OF PERSONNEL	
LENGTH OF SERVICE AWARDS	
MERITORIOUS AND EXCEPTIONAL SERVICE AWARDS	

## Length of Service Awards

*50 Years of Service as of December 31, 1959*

CARL F. SNYDER

NBS, Washington, D.C.

*40 Years of Service as of December 31, 1959*

THERESA C. HAWKINS	BDSA, Washington, D.C.
ANNA R. SPARKS	BDSA, Washington, D.C.
BERKLEY J. CARROLL	CB, Washington, D.C.
ALMA F. HELAN	CB, Washington, D.C.
HOWARD T. JENKINS	CB, Washington, D.C.
WALTER J. BILBY	C&GS, Wellton, Ariz.
J. CARL DEJONGE	C&GS, Washington, D.C.
CARL G. OBERHEIM	C&GS, Washington, D.C.
NINA E. MOLER	FC, Washington, D.C.
GLADYS A. WEST	FC, Washington, D.C.
FRANCIS WELLS	FS, Chicago, Ill.
GUSTAV L. ARONSON	MA, New York, N.Y.
DOROTHY G. ABRAMSON	MA, Washington, D.C.
ROSE M. FURR	MA, Washington, D.C.
WILLIAM F. GRAHAM	MA, New York, N.Y.
LEE E. RANCK	MA, Washington, D.C.
LLOYD TIBBOTT	MA, Washington, D.C.
JOSEPH I. WALDRON	MA, Washington, D.C.
FRANCIS C. BRECKENRIDGE	NBS, Washington, D.C.
FRANK R. CALDWELL	NBS, Washington, D.C.
ALFRED S. COINER	NBS, Washington, D.C.
HARRY P. DALZELL	NBS, Washington, D.C.
FRANCIS M. DEFANDORF	NBS, Washington, D.C.
IRVIN H. FULLMER	NBS, Washington, D.C.
SARAH A. JONES	NBS, Washington, D.C.
RANDOLPH J. POORE	NBS, Washington, D.C.
EDGAR L. ROBINSON	NBS, Washington, D.C.
H. HAIG RUSSELL	NBS, Washington, D.C.
CHARLES E. SCHEIRER	NBS, Allentown, Pa.
HENRY H. STEBNER	NBS, Washington, D.C.
LEROY R. SWEETMAN	NBS, Washington, D.C.

JAMES J. NOONAN  
ELWOOD E. VIVIAN  
WILLIAM WOODFORD  
KARL H. AXLINE  
FORRESTER A. COULTER  
EARLE J. DRUMMOND  
ALFRED B. GOODALL  
RUTH S. HUDSON  
BURNHAM YUNG KWAI  
J. MILTON MORIARTY  
MORRIS TEMIN  
JOSEPH N. COLTON  
KATHERINE M. DENMAN  
LESLIE E. DODSON  
JOSEPH F. IRVINE  
CARL T. NITTEBERG  
CLARENCE PAGE  
JOHN H. PAYNE  
GEORGE D. POTTERTON  
G. P. ST. CLAIR  
EDWARD A. FARRELL, JR.  
ARTHUR R. LONG  
CECIL E. MAHAFFEY

os, Washington, D.C.  
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po, Washington, D.C.  
pr, Washington, D.C.  
pr, Columbus, Ohio  
pr, Portland, Oreg.  
pr, Arlington, Va.  
pr, Fort Worth, Tex.  
pr, Washington, D.C.  
pr, Washington, D.C.  
pr, Washington, D.C.  
pr, Washington, D.C.  
wb, Houston, Tex.  
wb, Montgomery, Ala.  
wb, Pensacola, Fla.

## **Honor Awards**

### MERITORIOUS SERVICE AWARDS

**MORRIS BAILKIN, BDSA; Washington, D.C.**

For meritorious authorship of two publications which are valued as standard references by the aluminum industry.

**THOMAS CURTIS, BDSA; Washington, D.C.**

For contributions of unusual value to the Department in the establishment of policies on the Government's stockpiling activities.

**T. ALLAN DAVIS, BDSA; Washington, D.C.**

For outstanding valuable contributions to the Department in the activities of the plastics materials area of the chemical industry.

**M. MARGUERITE DOTYE, BDSA; Washington, D.C.**

For consistently outstanding performance, cooperation, and versatility during 28 years of Federal service.

**CHARLES E. GRIM, BDSA; Washington, D.C.**

For uniformly meritorious performance in a variety of highly responsible positions in both the foreign and domestic trade spheres of the Department's activities.

**DONALD S. PARRIS, BDSA; Washington, D.C.**

For extremely competent performance of official duties in the Department for more than 20 years.

**GORDON E. RECKORD, BDSA; Washington, D.C.**

For valuable contributions to the Department in establishing close Federal-State working relationships and in developing new industrial land research techniques.

**AARON M. ROSENTHAL, BDSA; Washington, D.C.**

For a major contribution to the Department of an unusually comprehensive report on the impact of surplus sales of small arms upon the domestic industry.

**A. HENRY THURSTON, BDSA; Washington, D.C.**

For exceptionally competent performance of official duties for over 12 years with the Department.

DELLA A. YOUNG, BDSA; Washington, D.C.

For consistently high standards of performance reflecting unusual industry and unselfish devotion to duty during over 27 years of Federal service.

GRETA M. CUMMINGS, BE; Washington, D.C.

For outstanding resourcefulness and initiative in organizing and operating the immediate directing office of the Office of Business Economics.

HAROLD T. GOLDSTEIN, CB; Washington, D.C.

For making many outstanding contributions over a long period of years in the field of industrial and commodity classification and in its use as a basic tool in economic and statistical analysis.

EMIL GORGOVITS, CB; Washington, D.C.

For outstanding accomplishment in the development of procedures for the 1958 Economic Censuses, and for unstinting devotion to duty throughout his many years of service with the Machine Tabulation Division.

BENJAMIN GURA, CB; Washington, D.C.

For superior performance over a period of about five years in advising the Government of Cuba over a broad range of statistical activities, and in planning and execution of a Labor Force Survey and organizing a Statistical Training Center.

MARY HARDESTY, CB; Washington, D.C.

For exceptional performance in handling problems related to the collection and review of manufacturing statistics over a period of many years.

C. HING LEE, CB; Washington, D.C.

For work in the development of sorting techniques on large-scale digital computers over a period of approximately ten years, culminating in the creation of a generator program that automatically produces a wide variety of sorting programs for use on the Univac Scientific computers.

GUY A. LUTZ, CB; St. Paul, Minn.

For sustained superior performance for a long period of time and for the excellent manner in which all assigned duties are discharged.

HERMAN P. MILLER, CB; Washington, D.C.

For a sustained high level of achievement in the direction of special surveys on consumer income and consumer expenditures, and in the planning and coordinating of the revised edition of *Historical Statistics of the United States*.

JOSEPH F. PEWTERBAUGH, CB; Washington, D.C.

For singular and outstanding leadership and superior competence as Coordinator of the Economic Censuses Branch, and for extraordinary success in developing, planning, and directing operations of the 1958 Censuses of Industry and Trade.

DOROTHY M. SEATON, CB; Washington, D.C.

SS For superior application of statistical techniques in the processing of primary industrial economic information over a period of more than ten years.

BLYNN T. SHAFER, CB; Washington, D.C.

SA For outstanding contributions to the efficient utilization of electronic computers in the Bureau of the Census, both in the development of general routines having wide areas of application; and in the guidance of others in more effective programming techniques.

DINO S. VILLA, CB; Washington, D.C.

SA For an outstanding job of directing projects which will substantially increase the usefulness of the Department's statistics on United States imports.

SIMON YABLON, CB; Washington, D.C.

SS For exceptionally high level performance over a long period of years and for service of distinction in large scale functions of the Machine Tabulation Division.

ANGELO A. FERRARA, C&GS; Washington, D.C.

For his very valuable contribution to technology in the development and use of survey echo sounding instruments.

HARRY F. GARBER, C&GS; Washington, D.C.

For outstanding national and international contributions in the development of aeronautical charts over a long period of time, thereby contributing immeasurably to safety in air navigation.

AUSTIN R. GORDON, C&GS; Washington, D.C.

For very valuable contributions to map and chart reproduction in the improvement of the design and construction of negative engraving instruments which were the forerunners of the rigid gravers or scribes now in use throughout the world.

MYRTLE M. KENNEY, C&GS; Washington, D.C.

For extremely competent performance of duties for 17 years.

DAVID G. KNAPP, C&GS; Washington, D.C.

For unusual contributions to highly technical areas of the Geomagnetic Program of the Coast and Geodetic Survey.

CECIL H. McLENDON, C&GS; Washington, D.C.

For outstanding technical and administrative contributions in the revision of the publication and dissemination of geodetic control data.



WILLIAM MARSHECK, C&GS; Washington, D.C.

For very valuable contributions in the field of map and chart reproduction and particularly in the development of a basic concept in the design of instruments for negative engraving which revolutionized the art of preparing final map and chart copy for printing.

ELI B. PACKER, C&GS; Fort Worth, Tex.

For extremely competent performance of official duties in the Coast and Geodetic Survey for over 34 years.

JOSEPH W. SMITH, C&GS; St. Petersburg, Fla.

For extremely competent performance of official duties for over 31 years.

JOSEPH C. TAYLOR, C&GS; Washington, D.C.

For extremely competent performance of official duties over a period of 36 years, particularly for his leadership, personal effort, and good judgment contributing to the efficient production of nautical charts.

ALASKA TRAVERSE PARTY—1959, C&GS

For extremely competent performance of duties under exceedingly hazardous conditions in Alaska. The group includes Glenn W. Moore, Donnis W. Adkins, Walter J. Bilby, Aaron B. Clements, Joseph A. Nelson, Junior V. Teater.

MILTON A. BERGER, FC; Washington, D.C.

For outstanding authorship of the study, *Investment in Taiwan*, and on the high level of competence displayed in his service to the Bureau of Foreign Commerce over a long period of time.

BERNARD BLANKENHEIMER, FC; Washington, D.C.

For outstanding authorship of the study, *Investment in Nigeria*, and for the high level of competence displayed in his service to the Bureau of Foreign Commerce over a long period of time.

ANTHONY J. BUCAR, FS; Joliet, Ill.

For outstanding performance of varied and responsible duties for almost 24 years in executing the foreign trade promotion functions of the Chicago Field Office.

ROBERT W. NEWLAND, FS; Washington, D.C.

For outstanding service to the Department through highly competent performance of duties and consistently demonstrated managerial ability which has resulted in the Department's Field Services commanding a high degree of respect in the business community.

MARY E. O'BRIEN, FS; Boston, Mass.

For outstanding performance of varied and responsible duties for over 39 years in the Boston Field Office.

FORREST E. BARSCH, MA; Benicia, Calif.

For sustained superior performance of duties aboard Reserve Fleet service craft of all types, far exceeding normal requirements of technical demands, alertness, and safety application over the past 13 years.

BENJAMIN F. CARTER, MA; Washington, D.C.

For extremely competent performance of official duties as Chief, Ship Sales and Disposal Branch, Office of Property and Supply, Maritime Administration, and for his outstanding execution of a wide variety of important duties in connection with the Maritime Administration Ship Sales Program.

RUTH F. COBB, MA; Washington, D.C.

For recognition of performance of duties as Administrative Assistant, Immediate Office of the Comptroller, Maritime Administration, characterized by outstanding competence in the analysis and solution of complex administrative problems relative to the administrative management of a complex financial organization.

JOHN G. CONKEY, MA; Washington, D.C.

For highly competent performance of duties as Chief, Division of Purchase and Sales, involving faithful and expert attention devoted to supply management activities materially contributing to the efficient operations of the Agency.

EMMA E. CORNES, MA; Washington, D.C.

For extremely competent performance of official duties as Secretary in the Regulation Office, and prior thereto, as Records Analyst in the Office of the Secretary of the Federal Maritime Board and predecessor agencies.

ELEANOR M. DITTRICK, MA; Washington, D.C.

For recognition of performance of duties as Secretary to the Comptroller, Office of the Comptroller, characterized as outstanding competence in the daily performance of her assigned duties, and in carrying out assignments requiring a broad knowledge of the agency program as they relate to a complex financial organization.

IRENE F. DOWLING, MA; Washington, D.C.

For extremely competent performance of official duties as Clerk-Stenographer in the Office of the General Counsel and other organizational components of the Maritime Administration for the past twelve years.

ANDREW FARINACCI, MA; Washington, D.C.

For highly competent performance of duties as Supervisory Naval Architect and Chief of Arrangements Branch, Division of Engineering, which has been noteworthy for faithful and expert attention devoted to the exercise of his many involved duties which has materially contributed to the Administration's role in fostering the American Merchant Marine.

ERWIN P. HECKL, MA; Benicia, Calif.

For superior leadership and technical skill in performing his duties in the preservation of Maritime reserve vessels over a period of almost 14 years, contributing to many economies by means of improved methods and thorough results.

GEORGE HERRING, MA; Benicia, Calif.

For unusually competent performance of duties as Fleet Workman in the preservation and maintenance of reserve vessels, while contributing to notable manpower and material savings over the past twelve and one half years.

BESS C. McGRATH, MA; Washington, D.C.

For important contributions to the Maritime Administration through outstanding performance in the field of Position Classification and Wage Administration.

LEONARD F. NICHOLS, MA; Washington, D.C.

For recognition of performance of duties as Comptroller, Office of the Comptroller, Maritime Administration, characterized by outstanding competence in dealing with highly complex financial matters.

HORTENSE N. OLSEN, MA; Washington, D.C.

For highly competent performance of duties as Clerk-Stenographer in the Office of Ship Construction, Maritime Administration, since 1939, which has been noteworthy for her faithful and expert attention devoted to the exercise of her many involved duties which has materially contributed to the Administration's role in fostering the American Merchant Marine.

LEE E. RANCK, MA; Washington, D.C.

For extremely competent service as Assistant Chief, Regulation Office, Federal Maritime Board, in successfully applying his exceptional knowledge of the regulatory provisions of the shipping laws and cases relating thereto to the benefit of the Board and shipping industry, and his long and honorable career with the Federal Maritime Board and predecessor agencies.

LUCEAN H. RHUDY, MA; New Orleans, La.

For general excellence in performance of official duties in the property and supply field with particular reference to his outstanding performance as District Property and Supply Officer during the past 12 years.

JOHN R. TANKARD, MA; Washington, D.C.

For extremely competent performance of official duties as Attorney Adviser, Division of Construction Contracts, Office of the General Counsel, and outstanding execution of a variety of legal documents, opinions and studies to meet the problems of the American Merchant Marine.

JOHN K. TENNANT, MA; New York, N.Y.

For extremely valuable service in the promotion and development of the American Merchant Marine and for contributing to the trade, commerce, and defense of the United States.

CHARLOTTE A. THOMAS, MA; Washington, D.C.

For extremely competent discharge of official duties in the Federal Maritime Board-Maritime Administration and predecessor agencies for a period of 37 years.

HELEN C. WALKER, MA; Washington, D.C.

For extremely competent performance of official duties as Chief, Seamen Services Branch in the Division of Office Services, and prior thereto as Chief, Awards Section and Administrative Assistant in the Maritime since 1920, and outstanding execution of a variety of important duties in connection with Seamen Service activities for the Division of Office Services.

OLIVE K. WALTER, MA; Washington, D.C.

For diligent, loyal service and consistently outstanding performance over and above the normal requirements of administrative secretary to the Vice Chairman, Federal Maritime Board.

JAMES E. WHITE, MA; Benicia, Calif.

For extremely competent service on the first-line supervision of preservation and maintenance of U.S. merchant ships in the Reserve Fleet and for conscientious leadership and management traits which resulted in many manpower and material savings to the Government.

BERNARD G. ACHHAMMER, NBS; Washington, D.C.

For his outstanding contributions to the science of plastics and polymers, in particular chemical structure and stability relationships, and for meritorious authorship.

MILTON D. BURDICK, NBS; Washington, D.C.

For very valuable contribution, over a period of 28 years, in the field of engineering properties of materials at high temperatures.

JAMES M. CASSEL, NBS; Washington, D.C.

For his valuable contribution to the chemistry and structure of collagen and for meritorious authorship.

LOLA S. DEMING, NBS; Washington, D.C.

For extremely competent performance of official duties, an outstanding record of dependability and resourcefulness, and very valuable contributions to science, technology, and programs of cooperation with industry.

CAROLYN R. IRISH, NBS; Washington, D.C.

For extremely competent and conscientious work in the field of physical metallurgy for many years.

DAVID M. KERNS, NBS; Boulder, Colo.

For outstanding performance in the development of national microwave standards and measurement techniques, and for meritorious authorship, publication, and distribution of results obtained.

ERNEST M. LEVIN, NBS; Washington, D.C.

For very valuable contribution to phase studies by original research and for meritorious authorship.

HUGH L. LOGAN, NBS; Washington, D.C.

For exceptional achievement in metallurgy, particularly in researches into the stress corrosion cracking of metals and for meritorious authorship.

LYTLE E. MANN, NBS; Washington, D.C.

For his unusual skills and special contributions to the program of the Electron Physics Section.

BENJAMIN L. PAGE, NBS; Washington, D.C.

For development and successful application of techniques for achieving the highest accuracy and reliability in intercomparison and calibration of line standards of length.

MYRON C. SELBY, NBS; Boulder, Colo.

For outstanding scientific achievement in radio standards and radio measurement techniques with particular reference to standards of voltage and current, attenuation, field strength, and interference.

PATIA SMITH, NBS; Washington, D.C.

For extremely efficient performance of her official duties over a long period of time, and for a high degree of helpfulness and cooperation beyond the normal call of duty.

ALFRED K. STOBER, NBS; Washington, D.C.

For extremely competent performance of his official duties in connection with the Free Radicals Research Program, in particular for the engineering design and construction of many complex components of cryogenic experiments; and for outstanding efficiency in maintenance and distribution of adequate supplies of low temperature liquids as required for the Program.

JOHN K. TAYLOR, NBS; Washington, D.C.

For recognition of his contributions to accurate electrochemical methods of analysis.

JOHN B. WACHTMAN, NBS; Washington, D.C.

For research contributions of great value in the field of the mechanical properties of ceramic materials and the mechanisms through which they may be controlled.

VIRGINIA C. WHITNEY, NBS; Washington, D.C.

For extremely valuable contributions over a period of 18 years to the development of an outstanding technical Library at the National Bureau of Standards resulting in outstanding assistance to scientific research programs.

ELEANOR L. CROSBY, OS; Washington, D.C.

For consistently demonstrated outstanding competence in the performance of duties in her position as Administrative Assistant to the Assistant Secretary of Commerce for Administration.

F. BOLTON ELWELL, JR., OS; Washington, D.C. (Posthumous)

For outstanding leadership and performance of duties in the furtherance of civil aviation programs involving national preparedness and safety.

MARIE L. GANNAN, OS; Washington, D.C.

For extremely competent performance of official duties over a long period of time.

CLIFTON G. HALL, OS; Washington, D.C.

For contributions of major importance in the fields of improved financial management and budget systems.

J. ALBERT KEEFER, OS; Washington, D.C.

For outstanding contribution, in the performance of legislative liaison duties, of major significance to the Legislative Program of the Department.

SARA TUTTLE, OS; Washington, D.C.

For exceptional competence and diligence in financial and budgetary reporting and for loyal and efficient service for many years.

ROGER L. CAMPBELL, PO; Washington, D.C.

For notable contributions of major significance to the Patent Examining Operation, particularly in the field of atomic energy.

STEPHEN W. CAPELLI, PO; Washington, D.C.

For demonstrated ability and outstanding competence in the performance of official duties in the Patent Office over a long period of time.

ERNEST W. CHAPIN, PO; Washington, D.C.

For demonstrated ability and outstanding performance of administrative duties as Librarian of the Scientific Library in the Patent Office.

ETHAN A. HURD, PO; Washington, D.C.

For highly competent performance of official duties and important contributions to the administration of Patent Office programs.

GEORGE HYMAN, JR., PO; Washington, D.C.

For extremely meritorious contributions of unusual value to both the substantive patent examining and administrative programs of the Patent Office.

SERENO S. IVY, PO; Washington, D.C.

For extremely competent and conscientious performance of official duties over a period of more than 40 years.

WILLIAM G. LANHAM, JR., PO; Washington, D.C.

For outstandingly faithful and competent service over a period of many years.

JOHN L. LUCKETT, PO; Washington, D.C.

For extremely competent performance of clerical and administrative duties for more than 37 years in the Patent Office.

HANNORA I. MCCARTHY, PO; Washington, D.C.

For exceptionally competent and loyal performance and for demonstrated devotion to duty during 26 years of service in the Patent Office.

JOSEPH F. NAKAMURA, PO; Washington, D.C.

For outstanding contributions of unusual value to both the substantive and administrative programs of the Patent Office.

DANIEL J. O'CONNOR, PO; Washington, D.C.

For unusually competent performance of official duties for almost 40 years.

DAVID E. PELHAM, PO; Washington, D.C.

For extreme competence and outstanding ability as a Patent Examiner in the complex field of synthetic polymer chemistry.

CHARLES T. PLUNKETT, PO; Washington, D.C.

In recognition of 37 years faithful service to the Patent Office in making translations of distinguished excellence from any of ten foreign languages.

ELIZABETH B. PRITCHARD, PO; Washington, D.C.

For sustained highly competent performance of secretarial and administrative duties over a long period of time, particularly as Secretary to the Director, Patent Examining Operation.

MILTON STERMAN, PO; Washington, D.C.

For extreme competence and outstanding ability as a Patent Examiner in the synthetic resin art during the past 21 years.

EDGAR C. WOLFORD, PO; Washington, D.C.

For outstanding competence in the performance of duties and special assignments in the Office Services area of the Patent Office over a period of 23 years.

FRANCES S. ADAMS, PR; Washington, D.C.

For major contributions to the establishment and operation of remarkably efficient key-punch operations in the Bureau of Public Roads.

FRANK ANDERLITCH, PR; Fort Worth, Tex.

For major contributions to the Federal-Aid Program, outstanding leadership in highway planning and research, and faithful and meritorious service for 29 years.

DAVID M. BEACH, PR; Washington, D.C.

For long and meritorious service and for exceptionally outstanding performance in the development and analysis of program data essential to the enactment and administration of Federal-aid highway legislation.

FRANK R. CARLSON, PR; Honolulu, Hawaii

For outstanding contributions to highway programs in Hawaii and for exceptional performance of official duties for 29 years.

JAMES M. DEBARDELEBEN, PR; Fort Worth, Tex.

For outstanding leadership in the field of highway planning, construction, and design, particularly in the right-of-way acquisition and utility adjustment programs and for loyal, efficient service for 25 years.

HOMER E. FOWLER, PR; Bismarck, N.Dak.

For outstanding contributions to the Federal-aid highway programs in the field of highway administration and engineering, particularly in North Dakota.

EDWARD F. GLEASON, PR; Baltimore, Md.

For outstanding contributions in advancing the aims and objectives of the Federal-aid highway program in Maryland, and for extremely competent performance of official duties for 34 years.

VIOLET G. GRIFFIN, PR; Washington, D.C.

For extremely competent performance and demonstrated devotion to duty during 28 years of service in the Bureau of Public Roads.



R. WOODWARD MOORE, PR; Washington, D.C.

For highly meritorious achievement in highway engineering by the development and adaptation of rapid and economical methods of subsurface exploration by geophysical procedures for the evaluation of earth materials for use in highway construction.

CLIFFORD G. POLK, PR; Salem, Oreg.

For extremely competent, unselfish and devoted performance, and skillful leadership through 42 years of progressively difficult engineering and administrative assignments in all phases of Federal-aid and direct Federal highway design and construction in the Northwest and Alaska.

LLOYD W. ROBERTS, PR; Oklahoma City, Okla.

For outstanding contributions to the Federal-aid highway program in the field of highway design and construction, and in his guidance and training of younger employees, and for unselfish devotion to duty with the Bureau of Public Roads for 24 years.

BURTON A. SCOTT, PR; Montgomery, Ala.

For major contributions to the development and successful operation of the Federal-aid program, and for outstanding competence as Division Engineer in Alabama.

DONALD J. STEELE, PR; Sacramento, Calif.

For outstanding leadership and technical skill contributing to the highway programs of the Bureau of Public Roads in Region Seven, particularly in the field of highway materials.

PHILIP W. ALLEN, WB; Las Vegas, Nev.

For extremely competent performance in carrying out highly important Weather Bureau assignments since 1946 and for valuable contributions to national safety and welfare through outstanding meteorological support provided the Atomic Energy Commission as Meteorologist in Charge of the Weather Bureau Research Station at the AEC Test Site in Las Vegas, Nev.

DAVID I. BLUMENSTOCK, WB; Honolulu, Hawaii

For meritorious authorship and extremely important contributions to the field of climatology.

JOHN A. CUMMINGS, WB; Charleston, S.C.

For valuable contributions to the public service in the field of hurricane warnings and unusual competence during hurricane emergencies.

PAUL A. HUMPHREY, WB; Cincinnati, Ohio

For outstanding resourcefulness and initiative in organizing and operating unique meteorological observation programs during the International Geophysical Year.

**WILLIAM M. McMURRAY, WB; Asheville, N.C.**

For major contributions to the Weather Bureau's role in the International Geophysical Year programs.

**SILVIO G. SIMPLICIO, WB; International Airport, New York**

For outstanding performance as Supervisor of the International Aviation Forecast Service Unit at New York International Airport and for valuable contributions to the development and implementation of the High Level Forecast Service Program.

**HUGH D. SPANGLER, WB; Salt Lake City, Utah**

For valuable contributions to the public service through 34 years of sustained efficiency and devotion to duty, with particular reference to outstanding management of the Weather Bureau's program in western United States as Regional Administrative Officer at Salt Lake City, Utah.

## EXCEPTIONAL SERVICE AWARDS

***Walther Lederer, BE; Washington, D.C.***

For original contribution to the analysis, synthesis, and understanding of the position of the United States in the world economy through his direction of the study of the U.S. balance of international payments.

***Howard C. Grieves, CB; Washington, D.C.***

For imaginative leadership in achieving major breakthroughs in improving the timeliness and quality of our major economic censuses and at the same time sharply reducing their costs.

***Joel B. Campbell, c&Gs; Washington, D.C.***

For exceptionally outstanding contributions and success in the development, coordination, and achievement of the United States phase of geomagnetic operations of the International Geophysical Year.

***John Oscar Phillips, c&Gs; Orlando Air Force Base, Fla.***

For exceptionally significant technical leadership and accomplishments in the field of geodetic surveys in support of missile guidance systems.

***Arnold M. Bass, NBS; Washington, D.C.***

For outstanding scientific and administrative leadership in the direction of the National Bureau of Standards Free Radicals Research program.

***Herbert P. Broida, NBS; Washington, D.C.***

For outstanding scientific and administrative leadership in the direction of the National Bureau of Standards Free Radicals Research program.

*Garbis H. Keulegan*, NBS; Washington, D.C.

For his many outstanding contributions to the basic laws of hydrodynamics, particularly for his fundamental work on open channel flow, water waves, and modeling laws underlying the science of density-current flows.

*Alvin G. McNish*, NBS; Washington, D.C.

For outstanding contributions of great importance to the special fields of geomagnetism and ionospheric physics, and to the more general fields of metrology and standardization.

*Chester H. Page*, NBS; Washington, D.C.

For rare and outstanding contributions of major significance to the Department and the Nation in the fields of electronics, ordnance, and physical research and measurement, including highly distinguished authorship.

*Charlotte Moore Sitterly*, NBS; Washington, D.C.

For outstanding scientific research in spectroscopy and astrophysics, for distinguished authorship of the definitive tables of atomic energy levels and spectroscopic multiplets, and for internationally recognized interpretations of the solar spectrum.

*Leonardo Testa*, NBS; Washington, D.C.

For his outstanding contribution, as a creative glassblower, to highly significant scientific and technical programs.

*Harold O. Wyckoff*, NBS; Washington, D.C.

For outstanding scientific research in the field of radiation shielding and measurements culminating in distinguished authorship of a book on radiation protection.

*Helmut E. Landsberg*, WB; Washington, D.C.

For important technical contributions to meteorology and climatology, highly distinguished authorship, valuable direction and stimulation of research and development in the climatological field, and for exceptional leadership as Director of the Weather Bureau's Office of Climatology since 1954.