

**Scripps Institution of Oceanography Archives  
Processing Record**

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**Nierenberg, William Aaron 1919-2000**

**William Aaron Nierenberg Papers 1932-1986**

Physical Description: 208 mss, digital audio & video

Description: When the Marine Technology Society selected William Nierenberg as the recipient of their Compass Distinguished Achievement Award in 1975, they cited his "capacity to bring his wide range of interests and experiences to bear on issues." The Nierenberg papers evidence both the strengths and the weaknesses of that wide-ranging capacity. The collection, the bulk of which addresses the 20-year span 1965-1985, offers unique access to the long-term internal workings of many organizations whose records typically are restricted. The National Academy of Sciences and the National Science Foundation, for example, do not make available to the public documents such as committee minutes, memos, and draft reports. These are all present in Nierenberg's papers. Government task force groups' records, too, are readily available in this collection. For instance, although not as extensive as the NAS materials, Nierenberg's files on the efforts of President Reagan's transitional team (of which Nierenberg was a key member) to recruit a politically palatable advisory group of scientists are significant. Some of the political and bureaucratic problems, along with the creative opportunities, that arise when a new, high-level government body is created are discernible in the National Commission on Oceans and Atmosphere (NACOA) files. Aspects of the larger, international world of science policy and policy decision-making emerge clearly from the NATO files, and are also present in the US-USSR exchange and Cooperative Agreement on the Oceans records.

On the more micro level of informal relations and behind-the-scenes negotiations, the collection is less informative. Given the sometime tumultuous times the collection spans, as well as Nierenberg's personal dynamism, the papers oftentimes do not fully reflect that. Nierenberg's correspondence is formal, if not actually guarded; his letters sometimes display pique but rarely passion. The consistent ascendancy of the public man over the private self does not, however, rule out all opportunities to trace the nexus between people and policy, or to see how certain decisions in turn constrained others. The acid rain controversy that emerged when an early copy of Nierenberg's panel's report was leaked to the press as a final copy can be traced from several different angles in this collection. The acid rain files (from both the NRC's Carbon Dioxide Assessment Committee material and the OSTP Acid Rain Peer Review Panel papers) include unofficial correspondence among committee members, numerous draft reports, critiques, official memos, and press coverage. Re-hashing of the acid rain controversy also occurs in exchanges between Nierenberg and others in letters included in correspondence for 1983 and 1984 (in the alphabetical and chronological files); telephone notes for the same period are useful, as well. Similarly, a careful assessment of the State Department chronological files shows Nierenberg informally consulting I.I. Rabi, Herman Pollack, and others before submitting a written statement of his own position on national and international science policy.

Lastly, at the item level, the collection documents the importance of social networks. One example is in this passage from Robert White's 1975 letter to Nierenberg, "It was your personal discussions with leading Soviet scientists for a number of years which paved the way for the [World Ocean] Agreement which finally emerged." (See Box 97, Folder 3). Item-level examination of the collection also shows the appearance, disappearance, and re-appearance of the same names. James Killian, for example, headed the Anti-Submarine Warfare Panel of the President's Science Advisory Committee of which Nierenberg was a member in 1959. Killian was also a charter member of the JASONS, helping Herbert York and others in the earliest stages of the

group's existence. Killian emerges again in 1960-1962, spearheading the efforts to establish an International Institute of Science and Technology under NATO, a project in which Nierenberg, too, was closely involved. Tracing these ties requires careful sifting, especially through correspondence (both under the correspondents' names and under the first initial of the topic itself) and telephone notes.

There are significant omissions in the Nierenberg papers. The early years, including Nierenberg's years at City College of New York, his work with the Manhattan Project, his time at University of Michigan, his directorship of the Hudson Labs, and his research with the Atomic Beam Group at the University of California, Berkeley are not documented. The collection contains virtually no records of his family life and little indication of his interests in flying, gardening, and music.

Arrangement: The original arrangement of the Nierenberg papers has altered over time. Nierenberg's move from Berkeley to La Jolla in 1965 occasioned the loss of certain papers, including some related to the Atomic Beam Research Group, through mishap and weeding. The arrangement of the collection was also affected by the dual offices Nierenberg maintained while director of Scripps: one in his home and one on campus. Some papers moved freely between these locations; others, such as the JASON files, remained at the home office. In addition, secretarial staff regularly retired noncurrent files to storage areas in and near the Director's Office. There is no indication, however, that these files were weeded before being stored.

Although Nierenberg frequently annotated the tops of his papers to indicate where he wanted them filed, differences between his labels and the actual location of items suggest that his office staff exercised their own judgment. Moreover, Nierenberg himself was sometimes inconsistent in designating file locations. As a result, material on a single topic is sometimes found in several different files. For example, correspondence related to his NATO activities is filed variously under NATO, under the Department of State, under the first initial of the last name of the individual correspondent, and under the first initial of the particular NATO activity that is the central topic of the correspondence.

Changes in secretarial staff, especially those related to his move to Scripps, were accompanied by changes in filing regimes. This is evident in the folder titles for correspondence files (which were designated as correspondence file A, B, etc.; as miscellaneous correspondence A, B, etc.; and as SIO "A," "B," etc.). Folder titles across all series in the container list reflect modifications of original titles to improve clarity regarding their contents. The exact wording of all original titles has been preserved on the folders themselves.

The move to the Scripps Institution of Oceanography also marked a profound shift in Nierenberg's intellectual interests and daily academic and administrative responsibilities. These changes affected the arrangement of the collection in several ways. To distinguish Nierenberg's personal papers from those designated as Office of the Director records, secretarial staff labeled the former "Personal," "WAN," "Nierenberg," or various combinations of these. This group was then subdivided into alphabetical files, encompassing organizations, professional and scientific societies, meetings, consulting, government service, special events, and miscellaneous subjects; and personal files, encompassing awards, some correspondence, biographies, travel files, expense funds, and miscellaneous materials. The distinction between these two subcategories does not appear to have been rigidly observed. Some correspondence, for example, was filed in the alphabetical files, and some consulting was found among the personal files. Owing to these and similar inconsistencies in filing across the two subcategories, and to ambiguities arising from the simultaneous use of the term personal to mean not-Office-of-the-Director as well as not-alphabetical, the processor made no attempt to reconstruct the dichotomy between the alphabetical and personal files in the present arrangement. To avoid possible confusion, terms such as "Personal," "WAN," etc., have been omitted from titles in the container list. These designations have been transcribed verbatim on the individual folders, however.

As a result of his involvement with private and governmental organizations, Nierenberg accumulated a great number and variety of reports and official documents. Often these items were included in general files for specific organizations; other times, however, they were merely inserted between file folders on the same general

topic. All such previously loose material has been foldered and labeled. Secondly, correspondence, memos and other papers related to Nierenberg's public and private sector service were sometimes filed indirectly under the name of the organization as a whole, and other times directly under the title of a particular committee or advisory board. Thus, papers related to a NASA subcommittee, for example, may be located in general NASA files, in NASA advisory council files, or in NASA files labeled with the specific name of a task force, ad hoc committee, etc. Except in the case of obvious filing errors (e.g., where material from committees with similar but not identical acronyms was found to have been interfiled), no item-level re-arrangement of papers was undertaken by the processor.

Committees and organizations that changed names over time (the White House Office of Science and Technology, for example, was abolished in 1973, but was quickly replaced by the similarly titled Office of Science and Technology Policy) presented the secretarial staff with filing problems. Typically, new files were created to reflect the new names. In some cases, the new files were interfiled with the old; in others, the two groups were filed independently of one another. In the present collection, all organizations are arranged in alphabetical order, with cross-references to old and new names noted on the container list. Changes in committee titles are not cross-referenced, but original folder titles, reflecting old and new names, have been preserved and are arranged alphabetically within individual organizations. Where committees changed auspices, as the Space Applications Board did, moving in 1972 from the purview of the National Academy of Engineering to that of the NRC, files are found in both locations, under the NAE and under the NRC. Finally, when Nierenberg's involvement with a single topic, such as Law of the Sea, was initiated through several different channels (e.g., State Department Advisory Committee, NAS Ocean Policy Committee, National Advisory Committee on Oceans and Atmosphere), all files are grouped within the individual committees or organizations from which they originated. This involved some re-arranging on the processor's part because the secretarial staff's approach to Law of the Sea materials apparently changed, briefly, from filing these documents under the committee or organization of origin to establishing a chronological subject file on the Law of the Sea in which the originating body was disregarded.

Files whose contents were longer than letter size were removed to legal-size folders; these are located in Boxes 207 and 208.

## **Series Description**

### **BIOGRAPHICAL FILES, 1950-1986**

This series was artificially constructed from records in the original alphabetical files (e.g., Cosmos Club) and those in the personal files (e.g., Who's Who, Flying). The biographical files are grouped in the following subseries: Personal Interviews, Biographies, Pen and Ink Caricature, Awards and Honors, Home Office, Donations, Investments, Hobbies, Clubs, SAM Reunion, Sixty-fifth Birthday Celebration, and Retirement Messages. Within these subseries, individual files are arranged chronologically.

The Personal Interviews subseries provide different viewpoints on Nierenberg as an individual and as director of Scripps Institution of Oceanography. Additional interviews and media accounts that include Nierenberg as a subject are found in the Publishing and Publicity subseries of the Subject Files series (see Box 189, Folders 1 and 2). The Biographies subseries, which includes records of annual submissions to Who's Who over two decades, charts the steady increase in Nierenberg's professional responsibilities and achievements. The items in Current Committee Service (Folder 19) show the broad range of his service.

That Nierenberg's service and achievements did not go unnoticed is clear from the many citations found in the Awards and Honors subseries. Additional examples of public and private recognition are in the Correspondence series. See, for example, Box 36, Folder 1 for the French Award of Merit (1983) and

Folder 3 of the same box for the United Way/CHAD award. Papers related to Nierenberg's 1977 receipt of the prestigious Proctor Prize from Sigma Xi are located in Speeches and Writings (Box 168, Folder 2).

The content of the next four subseries, Home Office, Donations, Investments, and Hobbies, is more suggestive than substantive. In contrast, the Clubs subseries offers ample record of Nierenberg's involvement in many primarily social organizations, including the prestigious Washington-based Cosmos Club. Institutional and historical aspects of this club are also documented. Most of the files in this subseries include membership rosters.

Nierenberg's Sixty-fifth Birthday Celebration, marked by a luncheon and a dinner attended by hundreds of friends, colleagues, and dignitaries, was a major event. This subseries also includes four folders (6-9) of letters and telegrams devoted exclusively to birthday greetings and best wishes. A much smaller number of similar messages also may be found scattered among the general correspondence files. Similarly, although most messages sent in observance of Nierenberg's retirement as director of SIO are included in the Retirement Messages subseries, some are located in the Correspondence series.

### **CALENDARS, DIARIES, DAILY APPOINTMENTS, 1952-1986**

This series contains subseries of Desk Calendars, Calendar Strips, Wall Calendars, Month-at-a-Glance Calendars, Pocket Diaries, and Daily Appointments and Telephone Notes. With the possible exception of Calendar Strips, which are narrow, card-like segments that cover two-week periods of selected months in 1962, the subseries are self-explanatory. For 1965, 1967, 1973, and 1974, there are multiple wall calendars, with some differences in the recorded engagements. There are two desk calendars for 1960, and there are two sets of pocket engagement diaries for 1965 and 1966.

With their coverage of all but the first two years of Nierenberg's 20-year tenure as director of SIO, the Daily Appointments and Telephone Notes are a rich source of information. When Nierenberg was unavailable, and a caller deemed his/her message as urgent, office staff took detailed notes. There are, as well, some much more sketchy notes taken by Nierenberg as he talked. Thus, in addition to documenting the range and volume of incoming calls and daily appointments, this subseries provides empirical evidence of the importance of social networks in the development of science policy. Government and quasi-government officials frequently called to request Nierenberg's advice on topics such as acid rain and to ask for recommendations for candidates for high-level task forces, advisory boards, and agency positions. Members of the media called to record Nierenberg's views on past, present, and future events affecting oceanography, ranging from the Law of the Sea negotiations to local concerns over beach access. Colleagues called to lobby for greater support and/or visibility for their projects, and private organizations sought Nierenberg's endorsement of their endeavors by requesting his presence on their governing boards, attendance at meetings, etc. The Telephone Notes and Daily Appointments subseries also contains copies of some trip itineraries and updates on internal SIO affairs submitted to the director by a senior staff member about every two weeks.

### **CORRESPONDENCE, 1932-1986**

Letters in this series fully cover Nierenberg's two decades at Scripps (1965-1986), and the Berkeley years (1950-1965) are well-represented. The volume of correspondence prior to 1950 is slight. In addition to letters, the series contains photographs, reports, research papers, articles, and newspaper clippings that accompanied correspondence received. Audiocassettes were separated from the correspondence and may be found in Box 206. Most of the world's major languages appear in this series: French, German, Italian, Spanish, Russian, Greek, Slavic, Turkish, Chinese, Japanese, even Esperanto. Except among the romance languages, translations accompany foreign-language communiques. Within the folders, all correspondence is filed in reverse chronological order. Among files from the 1950-1965

period, there was some inconsistency in the original ordering: in folders with a multiple year span, correspondence from the latest year appeared first and that from the earliest year last, but within a given year, individual letters were filed by date from January 1 through December 31. This inconsistency was repaired by the processor to conform with the larger pattern of reverse chronology.

There are two subseries, General Correspondence and Collected Correspondence. The former consists of chronological files and alphabetical files (with inclusive dates appended). Among the alphabetical group, there are two sets of files for each letter, or letter combination, of the alphabet. One set is labeled "Correspondence File A," "Correspondence File B," etc.; the other reads "Miscellaneous File A," "Miscellaneous File B," etc. These designations in the container list incorporate several different filing systems used by office staff over the years. Correspondence conducted prior to Nierenberg's arrival at Scripps in June 1965 was filed in folders marked "Personal Correspondence File A," etc. At Scripps, two headings were employed. Between 1965 and 1975, the non-chronological correspondence folders were labeled with the letters of the alphabet. Most, but not all of these files were also marked "SIO." In 1976, this system was superseded by the use of the "Miscellaneous" designation noted above.

Material in the Collected Correspondence subseries dates from 1950 through 1986. Few of the files for individuals represent exchanges sustained over long periods, however. Instead, there are intermittent communications across several years. Among the correspondence related to the People's Republic of China, there are letters to and from many individuals, but exchanges with C.K. Tseng, the Director of the Institute of Oceanology of the Academia Sinica are numerous. Similarly, the USSR files include letters to and from A.S. Monin, head of the P.P. Shirshov Institute of Oceanology in Moscow, as well as correspondence with other Russian scientists. In both cases, the files contain more in the way of social exchanges (e.g., Christmas cards) and requests for American sponsorship for individual scientists than discussions of policy or research.

## **ORGANIZATIONS, 1949-1986**

Records of the advisory work Nierenberg undertook for public and private organizations form the core of the collection. The Organizations series is arranged alphabetically, under the name of the most general level of the organization. The series has two subseries, California, State of and U.S. Government, The White House. The former covers California government groups; the latter includes agencies, commissions, task forces, etc. under the auspices of the White House. Entries within these subseries are in alphabetical order.

Sub-subseries within individual organizations are also listed alphabetically, beginning after chronological files. To locate the Climate Research Board files in the container list, for example, one would look first for the National Academy of Sciences entry, then for the National Research Council subseries alphabetically within the NAS, and then for the CRB, alphabetically within the NRC. There are two exceptions to the alphabetical arrangement. The correspondence sub-subseries are placed directly after the chronological files; the correspondence files come first if there are no chronological files. This placement is used throughout sub-subseries within individual organizations as well as across the Organizations series. Thus, correspondence for a given committee is placed at the beginning of the sub-subseries which covers that committee, and the rest of the related files follow in alphabetical order. Secondly, the alphabetical arrangement is superseded by a chronological listing in the meetings sub-subseries.

The records of Nierenberg's involvement with committees and councils of the National Academy of Sciences and the National Science Foundation, with the National Aeronautics and Space Administration, with White House advisory bodies such as the Office of Science and Technology Policy, and with the North Atlantic Treaty Organization are extensive. The bulk of the material, however, is institutional in nature. Internal memos, committee and organizational reports and papers, and meeting agenda and

minutes greatly outnumber personal communications, handwritten notes, draft comments, or other informal records of Nierenberg's activities. There are exceptions. The files of the OSTP Acid Rain Review Group and those of the Carbon Dioxide Assessment Committee of the NRC's Board on Atmospheric Sciences and Climate contain relatively more personal correspondence. Some also include press clippings.

As a member of NASA's advisory council (NAC), Nierenberg was involved in the highest levels of that organization's decision making. Clear evidence of the institutional aspects of policy making is present throughout these files; the intertwining of organizational structure and more informal, personal relations is sometimes also evident (see, especially, the files regarding the development of innovation programs, Box 101, Folders 7-11 and Boxes 105 and 106, all folders).

The NATO files offer useful documentation of the development of national and international science policy, in the form of records of efforts to create an International Institute of Science and Technology (IIST) in the early 1960s. Additional information regarding the IIST is located in the Correspondence series under the letter "I" (see Box 43, Folder 7). Less sustained references may be found in correspondence files for the 1960s, under the first initial in the last name of key participants in the efforts to launch the IIST. The chronological files of the Department of State (see especially Box 67, Folders 10-13) contain NATO-related material, as well. Nierenberg's association with NATO, which began in earnest in 1960, the first year of his two-year term in Paris as the U.S. Assistant Secretary General for Science, continued through the 1980s. He participated in NATO affairs directly, through his membership in NATO's Science Committee, and indirectly, as an at-large advisor to the State Department.

## **PROFESSIONAL AND SCIENTIFIC SOCIETIES, 1953-1986**

The societies in this series are arranged alphabetically, as are the sub-subseries within the individual associations. Entries under the Meetings sub-subseries are in chronological order. Nierenberg was a member or affiliate of all the entries in this series. Some correspondence regarding his membership in individual societies is found in the Correspondence files. For example, his American Physical Society membership certificate is in "A" correspondence for 1943 (see Box 36, Folder 9).

The series is dominated by the records of Nierenberg's association with the scientific research society, Sigma Xi. A member since 1941, Nierenberg served as the society's president in 1981-82. One important function of Sigma Xi is the allocation of research grants-in-aid. This collection includes files from the society's Committee on the Common Wealth Award which shed some light on ways in which grant monies are obtained and recipients selected (see also Box 152, Folder 9, Committee on Grants-in-Aid of Research). The Board of Directors' correspondence and meeting minutes sub-subseries also provide evidence regarding the organizational structure and function of Sigma Xi itself.

## **MEETINGS, 1965-1986**

The subseries General; Invitations, Dedications, Ceremonies; and Specific comprise this series. The first two are arranged chronologically. The General subseries contains announcements and correspondence regarding a broad range of meetings, including ones for institutions, agencies, associations, etc. that are listed in the Organizations, University of California, and Subject Files series. Announcements and correspondence regarding functions of a more ceremonial nature are found in Invitations, Dedications, and Ceremonies. There is some overlap between items in this subseries and those in the Correspondence series. Invitations to certain events, such as to the inauguration of Lyndon Johnson in 1966, are in Correspondence (see Box 43, Folder 15). Folders in the Specific subseries are arranged alphabetically. Many of the folder titles are identical to those in the Speeches and Writings series because office staff created two files whenever Nierenberg was invited to speak at a meeting. Folders in the Specific

subseries typically contain correspondence with the initial request for his services as a speaker as well as administrative details. Drafts, notes, and final copies of the speeches were kept separately. These are found in the Speeches series.

A list of the titles of files kept under the heading Meetings, compiled by secretarial staff when these folders were retired to inactive status, is found in the Subject Files series (Box 185, Folder 8).

### **SPEECHES AND WRITINGS, 1949-1986**

Nierenberg's speeches and writings are arranged chronologically; the bulk of the material dates from 1967 through the early 1980s. The Writings include both published and unpublished pieces and are separated into a subseries. Most of the files contain typescripts or draft copies of speeches and articles. Some, especially files for articles that appeared in the popular press, contain related correspondence, as well. In cases where the speech or written work has been published, the publication was separated from the file. If the original file contained only the published piece, a dummy file was created to hold the separation sheet. These are marked on the container list with the notation "separated." Occasionally, a file contained an audiocassette of a talk. These cassettes were separated and may be found in Box 206.

Nierenberg frequently re-used his speeches, making slight modifications to accommodate changes in the intended audience and/or updating specific passages. Sometimes he re-titled old speeches but did not substantively alter the text. Other times, he spoke without the aid of a formal text. In all cases, however, his secretarial staff created a folder. The present arrangement preserves that original system, with modification. Multiple copies of the same speech have been weeded and cross-references to files containing the original copy have been inserted in their place.

A list of the titles of files kept under the heading Speeches, compiled by secretarial staff when these folders were retired to inactive status, is found in the Subject Files series (Box 185, Folder 11).

### **WRITINGS OF OTHERS, 1947-1969**

Annotations at the top of reprints and papers suggest that at one time Nierenberg may have had reprint files. The reprints and papers that comprise this series originally were loose in the collection or were in unlabeled folders. All reprint files are now labeled and in chronological order. Published materials without annotation have been separated. As in the Speeches and Writings series, dummy files have been created for folders that originally contained only published material and the container list has been annotated accordingly. Additional work by others may be found in the Correspondence series and in the Subject Files series (in the latter, see especially the Quantum Mechanics subseries).

### **CONSULTING, 1960-1986**

This series is arranged alphabetically within the following three subseries: General, Editorial, and Industrial. The series gives a good indication of the variety of organizations that contracted for Nierenberg's expertise. Particularly for the years prior to 1970, some references to contracting activities may be found in the Correspondence series (see the reference to work undertaken for the Franklin Institute in Box 41, Folder 1). In the General and Industrial subseries, the files are mainly administrative and do not provide records of the advice given. This is especially true for material related to the JASONS. These folders contain records of social functions, travel arrangements, and administrative details of meetings. They are useful for documenting membership, but the group's substantive undertakings are not revealed. (Some aspects of the way in which the JASONS operate are noted in Nierenberg's article, "The Genesis of the Concept"; see Box 171, Folders 13-15. These files also contain copies of once-secret documents on military applications of barrier technology prepared by Nierenberg and other JASONS.)

Nierenberg frequently acted as a reviewer or advisor for publishers. In some cases, he also wrote articles that appeared in books and/or journals published by these same houses. In the Editorial subseries, the folders often contain correspondence related to both of these activities. Some also include draft copies of his submissions as an author and of his comments as a reviewer (e.g., see Box 174, Folders 13-14). Other, miscellaneous reviewer comments are located in the Publishing and Publicity subseries of the Subject Files series.

### **UNIVERSITY OF CALIFORNIA, 1939-1986**

There are three subseries in this series: Systemwide, Berkeley Campus, and San Diego Campus. The first is eclectic and covers, in an alphabetical arrangement, activities related to Nierenberg's position as a Vice Chancellor for Marine Science at UCSD as well as his contributions to physics colloquia held at various campuses. The second subseries, also arranged alphabetically, documents the early years of Nierenberg's long-term association with the UC system, which began in 1950, when he accepted an assistant professorship in physics at the Berkeley campus. Records of his Berkeley years in this collection are confined mainly to his teaching (including handwritten lecture notes filling several spiral notebooks) and committee work. Except for addresses and a bibliography, there is nothing concerning the research he and others conducted as part of the Atomic Beam Research Group he headed. (Materials related to quantum physics, but not specifically connected to the courses he taught at Berkeley, are found in the Quantum Mechanics subseries of the Subject Files series.) The San Diego Campus subseries incorporates some aspects of his activities at Scripps, along with records of his administrative duties as a vice chancellor, and his teaching responsibilities within the physics department. The SIO files include correspondence and memos that provide some sense of the range of duties and kinds of decisions that fell to Nierenberg as director. The records are suggestive, not exhaustive. Additional evidence of Nierenberg's SIO-related activities is located in the Subject Files series, Publishing and Publicity subseries.

### **SUBJECT FILES, 1937-1986**

The majority of the entries in this series cluster in the 1970s and 1980s. Most of the topics are independent of one another and the files are arranged in simple alphabetical order. Note that the files on the Manhattan Project (Box 185, Folders 12-13) consist of photocopies of papers by Nierenberg and others, not original documents. (The originals remain with the Department of Energy.) Folders on related topics have been grouped into the following subseries: Political Advocacy; Publishing and Publicity; Quantum Mechanics; Requests for Reprints of WAN's Work; Travel; and Tyler Ecology Awards. The folders in the Political Advocacy subseries document some of Nierenberg's political activities at the local, state, and national levels.

These include acting as an advisor to Californians for Parks, Beaches, and Wildlife, a grass-roots group organized in response to what was viewed as left-liberal environmentalism; donating time and money to Pete Wilson's mayoral and senatorial campaigns; and helping to organize the San Diego Coalition, a group of business and community leaders dedicated to preserving economic growth in the face of growing social and environmental restrictions. There are also indications of Nierenberg's interest in promoting particular candidates and legislation located in personal correspondence during election years (e.g., see Box 34, Folder 3).

The Publishing and Publicity subseries includes reviews by others of some of Nierenberg's written work, reviews he undertook of others' work, and media (primarily the press) coverage of events sponsored by and/or related to the Scripps Institution of Oceanography, to UCSD, and to Nierenberg as an individual.

The Quantum Mechanics files contain physics lecture notes, sample problems, papers, articles, and related materials amassed mainly in the 1950s and 1960s, when Nierenberg was most regularly teaching



undergraduate and graduate classes. Unlike the records contained in the Berkeley Campus and San Diego Campus subseries of the University of California series, these files consist of general teaching materials and do not specify a particular course; many are undated, as well.

Some of Nierenberg's written work, and many of his speeches and lectures, were addressed to general audiences. He regularly received requests for copies of his articles and talks from a broad range of interested parties. These requests were often (but not always) filed separately from other correspondence. The separately maintained files constitute the Requests for Reprints of WAN's Work subseries. The Travel subseries represent a combination of business and leisure trips. Most of the files are concerned with administrative details and provide little more than a record that a given trip was (or was not) taken.

The last subseries, the Tyler Ecology Award, contain the records of Nierenberg's years as a member of the Tyler Award Selection Committee. Files for each of the award candidates for 1978 and 1982, as well as correspondence among the committee members, are included.

### **PHOTOGRAPHS, 1939-1986**

The several hundred photographs in this series are grouped into General and Specific subseries. Most depict Nierenberg, most are black and white, and most are formal or official in nature. There are many copies of pictures taken by the SIO publicity office during the visits of dignitaries and at other official events involving Scripps. There are no family pictures. Six mounted photographs are located in the oversize drawer; there are miscellaneous photographs scattered throughout the collection, but especially in the Biographical Materials, Correspondence, and Subject Files series.

### **AUDIO AND AUDIOVISUAL MATERIALS, 1984**

This series consists exclusively of audio, video, and reel-to-reel tapes of events at Nierenberg's 65th birthday celebration.

**Related Collections:** For information on his role as director of the Scripps Institution of Oceanography see another collection in the SIO Archives, Records of SIO Office of the Director, 1965-1986.

**Provenance:** The University of California received William A. Nierenberg's personal papers through a deed of gift signed by the donor on August 18, 1986. Between June and December 1986, the bulk of the collection was transferred to the SIO Archives from storage areas in the Office of the Director suite and in the George W. Scripps building. A final accession, in July 1992, was removed from non-current files located in the donor's office in Nierenberg Hall. Most of the photographs and audiovisual materials in the collection were given to the SIO Archives in September 1983 and February 1984, respectively. Personal papers from the period after the collection's 1986 end date were returned to Nierenberg in 1992 and 1993. Travel vouchers and expense account records were discarded in 1993, with Nierenberg's approval. Records related to Scripps' MARFAC and Remote Sensing facilities and the Deep Sea Drilling Project were removed from the Nierenberg papers in 1993 and incorporated among similar files in the SIO Office of the Director archival collection.

**William Aaron Nierenberg Papers 1932-1986**  
**Scripps Institution of Oceanography Archives**  
**Accession No. 85-13**

**Folder List**

**BIOGRAPHICAL SERIES**

**Personal Interviews**

[ Box 1 ]

[ Folder 1 ]

**KOGO Television Question-and-Answer Program, April 16, 1967**

[ Folder 2 ]

**Interview with Mosaic Magazine, June 1970**

[ Folder 3 ]

**"Sea, Land and Man," Interview, Cry California, Summer 1973**

[ Folder 4 ]

**Article on Dr. Nierenberg, EPRI Journal, December 1977**

[ Folder 5 ]

**Suntory Whiskey, Limited, World Interview Featuring WAN, Reader's Digest, Japanese Edition, July 1978 (In Japanese)**

[ Folder 6 ]

**Miscellaneous Interviews, 1978-1985**

[ Box 206 ]

[ Folder 1 ]

**Audiocassette tape, undated**

[ Box 1 ]

[ Folder 7 ]

**Interview, PSA Magazine, July 1980**

[ Folder 8 ]

**Interview During Sigma Xi Annual Meeting, St. Louis, MO, October 1981 (KXOK Radio)**

[ Folder 9 ]

**Interview Conducted by F. Aaserud, American Physical Society, February 6, 1986**

**Biographies**

[ Folder 10 ]

**Bio-bibliography (University), 1953-1970**

**Biography, Who's Who**

[ Folder 11 ]  
**1965-1969**

[ Box 207 ]  
[ Folder 1 ]  
**1966-1971**

[ Box 1 ]  
[ Folder 12 ]  
**1970-1971**

[ Folder 13 ]  
**1972**

[ Folder 14 ]  
**1973**

[ Folder 15 ]  
**1974**

[ Folder 16 ]  
**1975-1980**

[ Folder 17 ]  
**1981-1984**

[ Folder 18 ]  
**Biographical Information, "Old List," 1965-1973**

[ Folder 19 ]  
**Current Committee Service, 1974-1984**

[ Folder 20 ]  
**Pen and Ink Caricature of Nierenberg, n.d.**

#### **Awards and Honors**

[ Folder 21 ]  
**Award, Boy Scouts of America, n.d.**

[ Box 2 ]  
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**"Future Problems and Opportunities of the Oceans," Guest Lecture Given at Hughes Aircraft Company, Los Angeles, CA, November 15, 1974**

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**Prof. Nicholas Polunin, Switzerland**

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**Dr. Lewis H. Rogers**

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**Dr. Gerard A. Rohlich and Dr. W. Frank Blair**

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**Senator Prof. Dr. Othmar Ruthner, Austria**

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**Senator Prof. Dr. Othmar Ruthner, Austria**

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**Prof. Dr. Edison Pereira Dos Santos**

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**Dr. David W. Schindler**

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**Sir Peter Scott**

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**Dr. D. J. Stander, South Africa**

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**Dr. Otto Stocker**

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**Dr. James G. Teer**

[ Folder 8 ]  
**Russell Errol Train**

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**Barbara Ward**

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**Dr. Edgar and Mrs. Peggy Wayburn**

[ Folder 11 ]  
**Walter J. Weber, Jr.**

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**John Birks and Paul Crutzen; John Harper**

[ Folder 13 ]

**Profs. F. Herbert Bormann and Gene E. Likens**

[ Folder 14 ]

**Dr. Harrison Brown; Organization for Tropical Studies (OTS); and Maxime Lamotte**

[ Folder 15 ]

**John Cairns**

[ Folder 16 ]

**Clean Energy Research Institute and Pierre Dansereau**

[ Folder 17 ]

**Marjory Stoneman Douglas; Profs. Johnston, Molina, and Rowland**

[ Folder 18 ]

**Paul and Anne Ehrlich**

[ Folder 19 ]

**David Freeman; George Palmiter; Barry Commoner**

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**Georgii F. Gauze; Frank W. Preston; Union Oil Co. and Ralph M. Parsons Co.**

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**Dr. Peter Glaser; Dr. Joseph J. Hickey**

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**Garrett Hardin; Fred A. Glover; M. Kassas**

[ Folder 4 ]

**Charles Keeling; Kenton Miller; Donald I. Mount**

[ Folder 5 ]

**Mr. Richard Leakey; Resources for the Future, Inc.**

[ Folder 6 ]

**Philip Leighton**

[ Folder 7 ]

**Dr. Emil M. Mrak**

[ Folder 8 ]

**Howard Thomas Odum**

[ Folder 9 ]

**Nicholas Polunin; Dr. John Melton Hunter**

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**Dr. Roger Revelle; Bernard Patten; Gerald McGuigan**

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**Chae-Shik Rho; Allen J. Bard**

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**David Suetens**

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**Lauriston S. Taylor**

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**Edward O. Wilson; Pacific Tropical Botanical Gardens**

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**WAN Standing Alongside R/V ATLANTIS II, October 24, 1965**

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**WAN and First SIO Computer, January 1966**

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**The Anchor, U.S. Naval Training Center Recruit Annual, Including Bound Photos of WAN Participating at Recruit Brigade Review, April 15, 1966**

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**Signing of DSDP Subcontract with Global Marine, Inc., November 20, 1967**

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**Portraits of WAN by Robert Glasheen, 1968**

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**WAN Receives City College of New York Townsend Harris Medal, November 19, 1969**

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**Reception for Salk Institute Board of Governors; WAN, Jonas Salk and Joseph Slater, c. 1970**

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**Tyler Award Selection Committee, c. 1973**

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**Robert H. White, NOAA Administrator, WAN and Charles J. Hitch, President of the University of California, 1973**

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**Signing of World Ocean Record and Regulations and Agreed Projects, US/USSR Joint Meeting, February 25-27, 1974 and March 2-6, 1974**

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**National Science Board Party at Nierenbergs' House, June 18, 1975**

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**Presentation of Marine Technology Society Award to WAN, September 1975**

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**Visit of Emperor Hirohito of Japan to SIO, October 1975**

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**WAN at UCSD Staff Pancake Breakfast, December 1976**

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**Visit of C. K. Tseng, April 18, 1978**

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**NASA Astronauts' Visit to SIO, Fall 1979**

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**People's Republic of China Trip, Fall 1979**

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**Dedication of Cecil and Ida Green Pinon Flats Observatory, July 27, 1980**

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**Symposium on Future of Oceanography, Woods Hole Oceanographic Institute, WAN at Shore Dinner, 1981**

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**Inauguration of Richard C. Atkinson, October 22, 1981**

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**WAN with Martin Johnson, Denis Far, Marie Mathers, Dick Atkinson, and Claude ZoBell, November 1981**

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**Satellite Remote Sensing Conference, Monterey, CA, November 17, 1981**

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**WAN Receiving Distinguished Public Service Medal, March 10, 1982**

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**Twentieth Anniversary Celebration of FLIP (Floating Island Platform), July 1982**

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**Queen Elizabeth II's Visit to SIO, February 26, 1983**

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**Jack Langille, Cecil Green, and WAN, MELVILLE Open House, July 16, 1983**

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**Portraits of WAN Taken by Victor Sotelo, April 1985**

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**90 Minute Cassette Audio Tape, WAN's 65th Birthday Dinner Ceremony, February 1984**

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**Reel-to-Reel Audio Recording Tape, WAN's 65th Birthday Lunch Talk, February 1984**

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**Video Cassette Tape, VHS, Master, WAN's 65th Birthday, Recorded by Phil Rapp, February 1984**

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**Video Cassette Tape, VHS, Edited Master, WAN's 65th Birthday Video, Recorded by Phil Rapp, February 1984**

### **OVERSIZE MATERIALS**

#### **Undated**

[ Oversize ]  
**Four mounted black and white photographs, two identified as the old Hudson Laboratories in Dobbs Ferry, NY; one of men in a launch craft; and one of a U.S. Army tugboat.**

**Poster for "General Research Colloquium, 'The World Oceans,' speaker: Dr. William A. Nierenberg." Date given as October 17th, but no year specified.**

**Map, South Atlantic Ocean, African East Coast, labeled "Argo- Circe Leg 8 + 9.**

**Dated**

[ Oversize ]

**Photocopies of microfilmed pages from the Journal of the House of Commons, 1763 (4 pages); 1765 (1 page); 1767 (1 page); 1770 (2 pages); 1773 (1 page); and 1774 (2 pages).**

**Color poster, labeled "Nvidiska Museet, Stockholm, Sweden, May 1959 ."**

**Ocean Survey, Coastal Deposits Off Portugal, 1966**

**Poster for "Overseas Fellowship Lecture, W. A. Nierenberg, Oceanography and the Public Interest, Churchill College, Oxford, England, November 10, 1969 ."**

**Map, San Diego Bay Area, "Proposed San Diego Offshore Airport," April 3, 1970.**

**Political Advertisement, Californians for Parks, Beaches, and Wildlife, April 18, 1974.**

**Compass Distinguished Achievement Award, Marine Technology Society, September 23, 1975.**

**Poster for "NATO Advanced Study Institute, Nitrogen Ceramics Interdisciplinary Institute, University of Kent, Canterbury, England, August 16-27, 1976.**

**Mounted color photograph labeled, "Black Smoker in East Pacific Rise, from Indomed Leg 14, April 1979 ."**

**Poster for "NATO Advanced Study Institute, The Characterization of Crystal Growth Defects by X-Ray Methods, Durham, England, August 29-September 9, 1979 ."**

**Map, Antarctic Region, 1980.**

**Map, Antarctica, "Known Mineral Occurrences and Probable Areas of Oil and Gas Exploration, 1981 ."**

**Poster for "Fermi Lab Lecture Series, W. A. Nierenberg Presenting CO<sub>2</sub> and the Next 100 Years: Living in a Global Greenhouse," Batavia, IL, February 17, 1984.**

**Color photograph, no label, annotated "To my best friend W. Nierenberg with compliments from the author." Signed A. Lorster[?], 1986.**