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[Irwin D. Mandel Papers](#)

MANDEL, IRWIN D., 1922-2011.

Irwin D. Mandel papers, 1960-2002 (bulk 1980-1998)

5.25 cubic feet (17 boxes)

#M-0124

BIOGRAPHICAL NOTE: Irwin D. Mandel, dentist and dental researcher, was born in Brooklyn, New York on April 9, 1922, the son of Samuel and Shirley Mandel. He received his BA from City College in 1942, and graduated from the School of Dental and Oral Surgery (now the College of Dental Medicine) of Columbia University in 1945.

With the exception of two stints in the Navy Dental Corps (1945-46 and 1952-54), Dr. Mandel spent his entire career at Columbia. He began as a research assistant in 1946, and gave up his part-time private practice in 1968 to devote himself full-time to research and teaching.

An expert in salivary chemistry, Mandel founded and served as first director of the Division of Preventive Dentistry at Columbia, the first such department in the country. He also served as the founding director of the Center for Clinical Research in Dentistry, and as the dental school's Associate Dean for Research before attaining emeritus status in 1992. Mandel also made major contributions in the area of immune systems research, and in particular to HIV/AIDS studies.

Mandel authored 225 scientific articles and 18 books or book chapters and served as a consultant and research mentor on several projects. He was Chief Dental Advisor to Consumers Union and its publications, a position he held for nearly 50 years. He was also a consultant and spokesperson for the American Dental Association, Associate Editor of the *Journal of Dental Research*, and a grants reviewer for the National Institute of Dental and Craniofacial Research. He was an active writer and reviewer for the Surgeon General's Report on Oral Health (2000), and served as the preventive dentistry consultant to NASA's manned mission to Mars project.

A past president of the American Association for Dental Research, Mandel received numerous awards, including the Award for Leadership in Periodontology from Tufts University (1971); the International Award from the University of Connecticut (1979); the first Gold Medal Award for Excellence in Dental Research from the American Dental Association (1985); the Jarvie-Burkhardt International Award given by the New York State Dental Association (1990); and the Distinguished Service Award from the American Association of Public Health Dentistry (1991).

Mandel also received the honorary degree of Doctor of Science (*honoris causa*) from Columbia University in 1996. He also held honorary degrees from the University of Medicine and Dentistry of New Jersey (1981) and the University of Göteborg, Sweden (1994). As part of Columbia University's 250th anniversary celebration, Mandel was

honored as one of the “Columbians Ahead of Their Time” and at a symposium held at the Dental School.

Mandel died on May 26, 2011, in Montclair, N.J.

Information for this note taken from obituaries produced by the New York Times and the College of Dental Medicine.

SCOPE & CONTENT: Correspondence, reprints, grant applications and research data documenting Mandel’s career as a pre-eminent dental researcher. The bulk of the material is from the latter half of his career. Most of the correspondence is concerned with Mandel’s professional career at Columbia, and includes letters of recommendation for students as well as materials related to the administration of the dental school. The few folders of personal correspondence are letters written by colleagues regarding Mandel’s professional publications. The grants files include raw data, interim and final reports, and drafts and reprints of articles related to grants on which Mandel was the primary investigator.

ARRANGEMENT/ORGANIZATION: The collection has been divided into three series: I. Correspondence; II. Reprints and Personal Correspondence; III. Grant data.

SERIES I. CORRESPONDENCE, 1980-1992

BOXES 1-9

Correspondence with professional colleagues on a variety of topics; includes recommendations for students and faculty.

SERIES II. REPRINTS AND PERSONAL CORRESPONDENCE, 1983-2002

BOXES 10-13

Scholarly articles written and speeches given by Mandel on a variety of topics; correspondence from friends and professional colleagues pertaining to Mandel’s publications or to accolades received by him.

SERIES III. GRANT DATA

BOXES 14-18

Grant applications, raw research data, progress and final reports, reprints, and related articles for grants on which Mandel was the primary investigator. Includes studies involving plaque acidogenesis, host factors caries resistance, the role of tubefeeding in plaque development, acidic pro-line proteins and the impact of sugar-free gum.

LANGUAGE: English and Russian.

ACCESS: Access to letters of recommendation are restricted.

RELATED COLLECTIONS: Records of the School of Dental and Oral Surgery/College of Dental Medicine.

PROVENANCE: Gift of Irwin D. Mandel, c. 1996, 2010 (acc. 2011.003).

PROCESSING NOTE: Processed and finding aid written by Jennifer McGillan, June-August 2011.

SUBJECTS - LC

Mandel, Irwin D.

Hein, Jack

Columbia University. School of Dental and Oral Surgery.

Columbia University. College of Dental Medicine.

AIDS (Disease) – Research – United States.

Dental Caries.

Dental caries – Prevention.

Dental caries – Research – 20th century.

Dental research.

Dental plaque.

Dental plaque – Prevention.

HIV infections – Research – United States.

Preventative dentistry.

Saliva.

Sjogren's syndrome.

Tube feeding.

SUBJECTS – MESH

Dental caries.

Dental Caries – prevention & control.

Dental Caries – therapy.

Dental plaque.

Dental Plaque – prevention & control.

Sjogren's Syndrome.

Irwin D. Mandel Papers.
1960-2002 (bulk 1980-1998)

Box Folder

SERIES I: CORRESPONDENCE

- | | | |
|----------|----|--|
| 1 | 1 | A, 1980-1985 |
| | 2 | A, 1986-1991 |
| | 3 | American Association for the Advancement of Science, 1983 |
| | 4 | Accreditation report, 1987 |
| | 5 | Annual Report, Columbia University School of Dental and Oral Surgery (SDOS), 1985-1986 |
| | 6 | American Academy of Periodontology, Directory, 1987 |
| | 7 | Abstract, Dental Amalgam update, 1991 |
| | 8 | American Fun for Dental Health, Denise S. Bloch, 1989 |
| | 9 | AIDS Notice, response from doctors in CRC as per Dean's request, 1991 |
| | 10 | B, 1980-1983 |
| | 11 | B, 1984-1985 |
| | 12 | B, 1986-1987 |
| | 13 | B, 1988 |
| | 14 | B, 1989-1990 |
| | 15 | B, 1991-1992 |
| | 16 | Brsg Funds, Support, Report to S.A. Ellison, 1985 |
|
 | | |
| 2 | 1 | C, 1980-1981 |
| | 2 | C, 1982-1984 |
| | 3 | C, 1984-1987 |
| | 4 | C, 1988-1991 |
| | 5 | Cuenco, Mayo Leopoldo, 1983 |
| | 6 | Cohen, Rhonna L., 1984 |
| | 7 | Cariology / Preventative Dentistry, 1985 |
| | 8 | Cariology / Preventative Dentistry, 1986 |
| | 9 | Cariology / Preventative Dentistry, 1987 |
| | 10 | Cariology, 1989 |
| | 11 | Cariology class, 1991 |
| | 12 | D, 1980-1982 |
| | 13 | D, 1983-1984 |
| | 14 | D, 1985-1986 |
| | 15 | D, 1987-1991 |
| | 16 | Memos from Maria J. Delgado, Office of Science and Technology, 1985 |
| | 17 | Dunning Memorial Symposium, contribution letters, 1987 |
| | 18 | 8 th Annual Dunning Memorial Symposium, 1988 |
| | 19 | 9 th Annual Dunning Symposium, 1989 |
| | 20 | 10 th Annual Dunning Symposium, 1990 |
| | 21 | 11 th Annual Dunning Symposium, 1991 |

	22	Dutta, S.K., 1984
3	1	E, 1980-1983
	2	E, 1984-1991
	3	F, 1980-1983
	4	F, 1984
	5	F, 1985-1986
	6	F, 1987-1989
	7	F, 1990-1992
	8	Fink, Alan, CV, letters, etc, 1991
	9	G, 1980-1982
	10	G, 1983
	11	G, 1984
	12	G., 1985
4	1	G, 1985-1986
	2	G, 1987
	3	G, 1988
	4	G, 1989-1991
	5	H, 1981-1983
	6	H, 1984-1985
	7	H, 1986-1987
	8	H, 1988
	9	H, 1989-1992
	10	Herzberg, Mark Carl, C. V. and letter of recommendation via I.D. Mandel, 1989
5	1	I-J, 1980-1990
	2	Jarvie Society, 1986-1990
	3	K, 1980-1983
	4	K, 1984-1987
	5	K, 1988-1992
	6	L, 1981-1985
	7	L, 1986-1987
	8	L, 1988-1992
	9	Long, Pat, Admin, 1991
	10	Letters of Recommendations, 1985-1986
	11	Levine, Michael J., 1983
	12	Letters to Senators, Representatives, etc, 1989-1991
6	1	M, 1981-1984
	2	M, 1985-1986
	3	M, 1987-1989
	4	M, 1990-1992
	5	Medical Center Neighborhood Fund, 1988-1989
	6	N, 1980-1986
	7	N, 1987-1991

- 8 National Science Foundation, 1980
 - 9 O, 1980-1992
 - 10 Oppenheim, Frank, 1986
 - 11 Oral Physiology Questions, January 1987
- 7**
- 1 P-Q, 1979-1982
 - 2 P-Q, 1983-1986
 - 3 P-Q, 1987-1991
 - 4 Periodontal Symposium, March 16, 1991
 - 5 Pollack, Jerry, 1981
 - 6 Patient Provider Codes, new system, 9/27/1985
 - 7 P.E.W. Foundation, 1986
 - 8 Progress Report and objectives, School of Dental and Oral Surgery (SDOS), 1980s and 1990s
 - 9 R, 1980-1983
 - 10 R, 1984-1986
 - 11 R, 1987-1991
 - 12 Reviews, 1990-1991
 - 13 Rosenblum, Edwin, MacMillan Educ. Co., 1984
 - 14 Ruan, Mei-Sheng and visiting doctor, 1983-1992
- 8**
- 1 S, 1983-1986
 - 2 S, 1984-1986
 - 3 S, 1987
 - 4 S, 1988-1989
 - 5 S, 1990-1992
 - 6 Sophomore Class Committee, 1986
 - 7 Student Summer Research, 1983-1987
 - 8 Student Summer Fellowship Program, 1988
 - 9 Summer Student Fellowship Program, 1989
 - 10 Student research summer, 1990
 - 11 Student Research Fellowship, 1991-1992
 - 12 T, 1981-1985
 - 13 T, 1986-1991
 - 14 Tabak, Lawrence, 1983-1991
 - 15 Trieger, Norman, 1982
- 9**
- 1 U-V, 1981-1991
 - 2 W, 1988-1991
 - 3 W, 1983-1987
 - 4 Wexler, Jay (administration), CRC correspondence, 1987-1990
 - 5 Wotman, Stephen, 1990-1991
 - 6 Wu, Jie (visiting scholar, China), 1992
 - 7 XYZ, 1980-1992
 - 8 Zorn, Mark, 1980
 - 9 Zelinski, Jay, 1984

10 Warner Lambert correspondence (gift account), 1980-1981

SERIES II: REPRINTS AND PERSONAL CORRESPONDENCE

- 10** 1 The Center for Clinical Research in Dentistry and Pathways to The Future,
n.d.
2 "Clinical Research: The Silent Partner in Dental Practice," 1992
3 "An Histologic Comparison of Supra and Subgingival Plaque and
Calculus", 1982
4 Dental Caries, 1979-1980
5 Diet and Dental Caries: The Sweet Life, n.d.
6 The Future of Caries Research: Increasing Host Resistance, n.d., c. 1980?
7 Future of Dental Research Society, SUNY Buffalo, n.d.
8 A Celebration of Excellence, graduation, May 14, 1987,
9 "Immunologic Properties of Saliva and the Prevention of Oral Disease,"
n.d.
10 New Opportunities in Dentistry, commencement address, SUNY Stony
Brook, 1983
11 Orientation 1983: Those First Year Blues
12 Plaque and Dental Disease, 1979
13 Preventative Dentistry 1981: The View from Academia
14 Quantitation of Labial Salivary Gland Secretion in Cystic Fibrosis,
Asthma, and Normal Subjects, c. 1980
15 Antibacterial Mouthwash: Overview and Update, n.d.
16 A New diagnostic Method for Quantitation of Labial Salivary Gland
Secretion in Cystic Fibrosis, n.d.
17 A Contemporary View of Salivary Research, 1991
18 Calculus Formation and Prevention, Overview and Update, n.d.
19 Calculus Update: Prevalence, Pathogenicity and Prevention, n.d., c. 1990s
20 Basil Bibby: Researcher, Educator, Innovator, 1988
21 Caries Prevention, A Continuing Need, 1992
22 Changing Concepts in Cariology, 1960-1995
23 Comparison of Submandibular Buffer Capacity in Caries Resistant Versus
Caries Susceptible Adults, for *Journal of Dental Research*, n.d.
24 Continuity and Change: The Two faces of Dentistry, commencement
address, Fairleigh Dickinson University College of Dentistry, 1986
25 Current Strategies and New Directions in Caries Prevention, n.d.
26 Dental Calculus (calcified dental plaque), from *Contemporary
Periodontics*, 1990
27 Dental caries: Another Extinct Disease, n.d. c. 1988
28 Dental caries: Current and Prospective Strategies of Prevention, 1992
- 11** 1 Dental Imaging in Contemporary Culture, c. 1991
2 Guest editorial, Dental Inequalities: The Challenge of the Inner Cities, c.
2000
3 Dental quackery: Then and Now, or Dental Quackery Examined, or Dental

- Quackery: A Retrospective View, c. 1990
 - 4 Dentistry 1980-1989: A Profession in Transition, Percy T. Phillips
Memorial Lecture, 1990
 - 5 Discovering Jack Hein, testimonial dinner, 3/21/1991
 - 6 Dry mouth, *Consumer Reports* Health Letter, Michael Leff, 1990
 - 7 Effect of Arginine, Lysyl-arginine, and Urea on the Rate of Ammonia
Production by Dental Plaque in Caries-Resistant and Caries
Susceptible Adults, 1989
 - 8 Great Expectations: The Impact of Research on Dental Practice and
Education, c. 1993
 - 9 Gum Disease, Macmillan Education co., 1990
 - 10 Longitudinal Study of Parotid Saliva in HIV-1 Infection, 1992
 - 11 Longitudinal Study of Parotid Saliva in HIV-1 infection, 2nd year findings,
1993
 - 12 Immunologic Properties of Saliva and the Prevention of Oral Disease, c.
1980s
 - 13 Lysozyme Concentration in Human Minor Salivary Gland Secretions, c.
1983
 - 14 Markers of Periodontal disease Susceptibility and Activity Derived from
Saliva, c. 1989
 - 15 Naming the Teeth: Revisiting John Hunter, c. 1998
 - 16 Nature Versus Nature in Dental Caries, c. 1993
 - 17 New Directions in Caries Prevention, c. 1996
 - 18 The New Toothpaste, c. 1996
 - 19 On Being A Scientist In a Rapidly Changing World, *Journal of Dental
Research*, 1995
 - 20 Occupational Risks in Dentistry: Comforts and Concerns, c. 1992
 - 21 Overview of Clinical Trials of Periodontal Diagnoses, Methods and
Devices, 1995
 - 22 Partners for Prevention, 1991
 - 23 Where There's Smoke There's Oral Disease, or Smoke Signals: An Alert
for Oral Disease, c. 1993
 - 24 The Caries Process: Current Concerns and Implications for Private
Dentistry, 1989
 - 25 The Plaque Fighter: Choosing A Weapon, 1993
 - 26 The Role of Saliva in Maintaining Oral Homeostasis, Seymour J.
Kreshover Lecture, 9/24/1986
 - 27 Treating Dentists on Stage: Four playwrights, 1991
 - 28 Workshop on Peroxide: Containing Products in Dentistry, Introductory
Remarks, 1993
 - 29 Research: The Silent Partner in Dental Practice, n.d.
 - 30 Rinses for the Control of Supragingival Calculus Formation, 1991
 - 31 Saliva, the Unappreciated Resource, n.d. c. 1990s
-
- 12 1 Salivary Diagnosis: More Than A Lick and A Promise, 1992
 - 2 Salivary Diagnosis: Promises, Promises, 1992

- 3 Salivary Research: Current Research and Future Directions, c. 1994
- 4 Selected short subjects, A Talk to the North Eastern Society of Periodontists, 5/6/1994
- 5 Sjogren's Syndrome and the Dentist, 1991
- 6 Tooth Whiteners and Brightness, *Consumer Reports Health letter*, 1990
- 7 Publicity, 1961-1973
- 8 Publicity, 1969-1985
- 9 Personal correspondence, 1990-1991
- 10 Personal correspondence, 1992
- 11 Personal correspondence, 1993-2002
- 13**
 - 1-2 Personal correspondence, 1992-1996
 - 3 Personal correspondence, 1995-1997
 - 4 Personal correspondence, 1997-1998
 - 5 Chinese scholars, 1983-1992
 - 6 Reprints, 1964-1996
 - 7 Certificates, 1963-1992

SERIES III: GRANT DATA

- 8 Adhesion and Aggregation, c. 1982
- 9 Phosphoproteins, Larry Tabak, c. 1980
- 10 ELISA, 1980
- 11 Cationic salivary proteins, 1978-1979
- 14**
 - 1 Grant renewal (?), 1978-1980
 - 2 Grant renewal (?), 1980
 - 3 Comparative plaque, 1980-1983
 - 4 Direct cross reaction data, c. 1978
 - 5 Immunochemical data, CS/UJ (?), CR, Dr. Ellison, c. 1976
 - 6 Lysosome, c. 1978
 - 7 Bacteriology, 1979-1980
 - 8 Salivary stones, 1973-1974
 - 9 Acidic Pro-line Rich Proteins (PRP) in Salivary gland disease, 1980
 - 10 PRP Polymorphic, 1977-1981
 - 11 PRP Data, c. 1979
 - 12 PRP tracings, 1981
- 15**
 - 1 Dutta grant, Epidural growth factor (EGF), alcohol and values (?), 1980-1988
 - 2 Dan Fine, senior research fellowship, 1987
 - 3 Host factors in caries resistance, renewal, 1980-1984
 - 4 Host factors in caries resistance, 1978-1983
 - 5-6 Host factors in caries resistance, 1983
 - 7 Mixed articles and graphs, polyamines, 1981-1983
 - 8 Grant renewal, 3/1/1985-2/28/1986

- 9 Host factors in caries resistance, grant renewal, 1986-1987
 - 10 Application, microbiology of dental endosseous implants, 1982
 - 11 Salivary immune factors, 1981-1983
 - 12 Hypothiocyanite and thiocyanite, raw data, 1981-1983
 - 13 Comparative plaque acidogenesis in caries resistant versus caries susceptible adults, c. 1980
 - 14 The effect of saliva on plaque, two studies, 1980
- 16**
- 1 Theophyllene, 1980-1982
 - 2 Tube feeding, saliva samples, n.d.
 - 3 Tube feeding, tables and reports, 1982-1983
 - 4 Tube feeding, reprints, 1971-1981
 - 5 Tube feeding, mixed data and reports, request for an extension, 1981-1982
 - 6 Tube feeding, mixed data, reports and reprints, 1982
 - 7 Tube feeding, study data and article, 1981-1985
 - 8 The effects of sucrose and hexitol-containing chewing gum on plaque acidogenesis in vivo, 1981
 - 9 The effects of sucrose and hexitol-containing chewing gum on plaque acidogenesis in vivo, articles and data, 1981
 - 10 Buffer capacity in saliva-data and reprints, 1985-1990
 - 11 Interactions of dental plaque with Lysine Arginine and Lyslarginine..., data and reprints, 1981-1983
- 17**
- 1 Polymines in dental plaque, 1982-1983
 - 2 Plaque acidogenesis and caries resistance, c. 1978
 - 3 Modification of dental plaque by Arginine Urea to resist ph fall in vivo, background information, 1982-1985
 - 4-5 Polyolsucrose gums, 1978-1987
 - 6 Bozarte Buffer, notes, 1963
 - 7 Cannabis study for Dr. Marder, by Tues., 7/21/1979
 - 8 Research on pre-eclampsic and eclampsic patients, Fall 1970
 - 9 Host factors in caries resistance, incl. data and final report, c. 1987
 - 10 Host factors in caries resistance, grant renewal, 1984-1987