2-2017

Department of Microbiology and Physiological Systems (MaPS) Papers, 2010 - present (formerly Department of Physiology, 1968 – 2009): A Finding Aid

Office of Medical History and Archives, Lamar Soutter Library, University of Massachusetts Medical School

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Department of Microbiology and Physiological Systems (MaPS)  
Papers, 2010 - present  
(formerly Department of Physiology, 1968 – 2009)  
A Finding Aid  
Lamar Soutter Library, Office of Medical History and Archives  
University of Massachusetts Medical School

Descriptive Summary

Repository: Lamar Soutter Library, Office of Medical History and Archives  
University of Massachusetts Medical School

Identification: SC 15

Creator: Department of Physiology / Department of Microbiology and Physiological Systems

Title: Department of Microbiology and Physiological Systems (MaPS) Papers, [formerly  
Department of Physiology]

Date(s): 1968-present (bulk 1968-2009)

Quantity: 19 record cartons, 2 photograph boxes, 1 box of artifacts and miscellaneous media.  
Approximately 20 linear feet.

Abstract: The Department of Microbiology and Physiological Systems (MaPS) Papers  
documents the establishment of the Department of Physiology and chronicles its early history,  
development, and merger with the Department of Microbiology to form the Department of Microbiology  
and Physiological Systems (MaPS).

Access Restrictions: Access to most material in the collection is unrestricted. Access to personal  
information relating to the MaPS faculty is restricted for 10 years and thereafter is accessible by  
permission of the Archivist. Access to other restricted materials may be requested by completing a  
“Restricted Records Access Request” form.

Preferred Citation: The proper citation format for any item from this collection is:  
The Department of Microbiology and Physiological Systems Papers, University of Massachusetts  
Medical School Archives, Lamar Soutter Library, University of Massachusetts Medical School,  
Worcester, Massachusetts.

Processing Information: This collection was processed by Dina Litvak in 2014/2015. The finding aid  
was completed by Dina Litvak and Kristine Sjostedt.

Biographical/Historical:

The Department of Physiology was established in 1970, the same year the University of  
Massachusetts Medical School (UMMS) opened. In the late winter of 1970, Dean Lamar Soutter recruited  
H. Maurice (Moe) Goodman, Ph.D. to head the Department of Physiology with the mandate to “build a  
Department of Physiology second to none in New England“. The resources promised were quite modest:  
fourteen state funded positions and an office, laboratory, and teaching space in the medical sciences
building, construction of which was scheduled to begin in the summer of 1970. The amount of $300,000, provided by the federal grant that underwrote construction of the building, supplied funds to outfit the research and teaching labs for the newly founded department.

The first class of sixteen medical students began their education in the fall of 1970. They and the next two incoming classes studied in the Shaw building, a renovated tobacco warehouse situated on the corner of Lake Avenue and Belmont Street near the current school building and hospital. With space for only 16 students and 2 faculty laboratories in Physiology, the budget initially provided salaries for only two junior faculty positions. Fredric (Fred) S. Fay, Ph.D. became the first recruited by Goodman to fill one of those available positions. At that time, Fay was a first year fellow in physiology at Harvard Medical School. Goodman met him for the first time in 1965 when Fay was a graduate student doing a laboratory rotation in Goodman’s lab. Fay agreed to come to Worcester just for a few years to help Goodman get the department started, but stayed with the Department of Physiology for many more years until his unexpected death in 1997.1 The remaining faculty position was shared between Joshua J. Singer, Ph.D. and John V. Walsh, M.D. Arrangements were made for Singer and Walsh to devote the first half of that salary to their research at Harvard and the second half to the teaching at UMMS. In 1971 they joined the Department of Physiology full time. Additional faculty joined the department over the next few years and include Peter Grigg, Ph.D., Peter Reed, Ph.D., (then Dean at Vanderbilt University) and James G. Dobson, Ph.D. The medical class was expanded to 24 students for the academic years 1971 and 1972, and with anticipation of moving into the new Medical Sciences building the following year, the class was expanded to 40. Once the move to the new building was completed, Joel Feinblatt, Ph.D. transferred to the department from the Department of Pharmacology. Susan Smith, Ph.D. was recruited from Emory Medical School. Another faculty member, Thomas W. Honeyman, Ph.D., who had come to Worcester in 1970 to finish his doctoral research in Goodman’s laboratory, joined the faculty in 1974.

From the time the department was established until its merger with the Department of Molecular Genetics and Microbiology in 2010, thirty people had appointments at the professorial rank in the Department of Physiology, including several former members of the Worcester Foundation for Biomedical Research which merged with UMMS in 1997. Faculty provided instruction in medical physiology to more than 3,000 students and trained many postdoctoral fellows. They also served in leadership roles in professional societies and campus-wide administrative positions, and received more than 20 national and local research awards including the election of Susan Leeman, Ph.D. to the National Academy of Sciences.

In 2010 the Department of Physiology merged with the Department of Molecular Genetics and Microbiology into the new Department of Microbiology and Physiological Systems (MaPS).

**Scope and Content:** The bulk of this collection contains annual and scientific reports, correspondence, financial reports, grant applications, scientific publications (loose and bound volumes), and numerous photographs created by or about the Department of Physiology.

**Series and Subseries in the Collection:** The collection is arranged in twelve series, seven of which are further arranged in several subseries. The series and subseries in the collection are as follows:

- **Series 1:** Miscellaneous correspondence
- **Series 2:** Faculty
  - **Subseries 1:** H. Maurice Goodman

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Subseries 2. John V. Walsh
Subseries 3. Joshua J. Singer
Subseries 4. Thomas W. Honeyman
Subseries 5. Susan E. Leeman
Subseries 6. Jose Ramon Lemos
Subseries 7. James Gordon Dobson, Jr.
Subseries 8. John E. Mole
Subseries 9. Fredric Stewart Fay
Subseries 10. Peter Grigg
Subseries 11. Mark Furman
Subseries 12. Theo E. Meyer
Subseries 13. Alan W. Steel
Subseries 14. Miscellaneous
Subseries 15. Hiroshi Yamaguchi

Series 3: Events
  Subseries 1. UMMS-WFBR merger
  Subseries 2. Retreats
  Subseries 3. Anniversaries
  Subseries 4. Miscellaneous events

Series 4: Annual reports/Budget

Series 5: Department Accreditations and Reviews

Series 6: Grants
  Subseries 1. Grant proposals
  Subseries 2. Miscellaneous

Series 7: Research
  Subseries 1. Miscellaneous
  Subseries 2. Program in Molecular Medicine
  Subseries 3. Core facilities and Equipment
  Subseries 4. Research Data
  Subseries 5. Publications

Series 8: Legal/Administrative
  Subseries 1. Technology transfer
  Subseries 2. Legal documents, Policies & Procedures
Subseries 3. Human resources
Subseries 4. Printing and Publication
Subseries 5. Miscellaneous

Series 9: Councils, Committees, Commissions
Subseries 1. Miscellaneous committees and groups
Subseries 2. Chancellor Search Committee
Subseries 3. UMMC Scientific Council

Series 10: Teaching
Subseries 1. Curriculums, handbooks, posters and medical school catalogs
Subseries 2. Course materials: Class of 1988
Subseries 3. Course materials: Class of 1989
Subseries 4. Course materials: Class of 1993
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Subseries 15. Course materials: Class of 2012
Subseries 16. Conferences
Subseries 17. Research rotation projects
Subseries 18. Physiology course: Spring 1974
Subseries 19. Reports
Subseries 20. Basic Science Academic Evaluation Board

Series 11: Photographs and slides
Series 12: Artifacts and miscellaneous media

Series 1: Miscellaneous correspondence

Box 1

1. Correspondence: November 2005 - Faculty council/Education policy council - acknowledgement of patient families' contribution to medical education
2. Correspondence: John P. Howe, Academic Dean: 1980 - 1981
2A. Correspondence: John P. Howe, Academic Dean: 1982-1984
3A. Correspondence: Robert E. Tranquada, Chancellor/Dean: 1981-1986
4. Correspondence: James Barry Hanshaw, Dean/Provost: 1986 - 1988
10. Correspondence: Physiology Faculty: 1993
12. Correspondence: Bratt, Michael, 1992-1993
13. Correspondence: 1982
15. Correspondence: 1980: Access Restricted
16. Correspondence: 1982 - 1987
17A. Correspondence: July – December, 1987: Access Restricted
18. Correspondence: 1984: Access Restricted
19. Correspondence: 1983
23. Correspondence: 1985: Access Restricted
24. Correspondence: Faculty: 1987

Series 2: Faculty

Box 2

Subseries 1. H. Maurice Goodman

1. H. Maurice Goodman: Journal article: 2004
   Access Restricted

5. NIH Biomedical Sciences Study Section: 1988: Access Restricted

Subseries 2. John V. Walsh


Subseries 3. Joshua J. Singer

   Access Restricted

Subseries 4. Thomas W. Honeyman

8. Thomas Honeyman: tenure track promotions and manuscripts reprints: 1969-1982: 
   Access Restricted

Subseries 5. Susan E. Leeman


Subseries 6. Jose Ramon Lemos


Subseries 7. James Gordon Dobson, Jr.


Subseries 8. John E. Mole


Subseries 9. Frederic Stewart Fay

13. Fred Fay: tenure track promotions, correspondence and manuscript: 1970 – 1997: 
   Access Restricted


Subseries 10. Peter Grigg

15. Peter Grigg: tenure track promotions and manuscripts reprints: 1972 – 1985: 
   Access Restricted

Subseries 11. Mark Furman


Subseries 12. Theo E. Meyer

   Access Restricted

Subseries 13. Alan W. Steel

18. Alan Steel appointment: correspondence, research plan, CV, article reprint: 1994: 
   Access Restricted
Subseries 14. Miscellaneous
19. Physiology Department Curricula Vitae: 1984: Access Restricted
21. Faculty Curricula Vitae: Access Restricted

Subseries 15. Hiroshi Yamaguchi
22. Postcard, Photograph
Bound volume: Hiroshi Yamaguchi: 1938 – 1999: CV, article reprints, remembrances

Series 3: Events
Box 3
Subseries 1. UMMS-WFBR merger
1. UMMS-WFBR merger: correspondence and documents regarding faculty and equipment transfer: 1995 - 1999

Subseries 2. Retreats
2. Department Retreat: 1993
3. Retreat: 1990
5. Retreat: Transparencies, print outs: 1992
7. Department Retreat: 1985

Subseries 3. Anniversaries
10. Thirty Year Anniversary: 2000
15. Thirtieth Anniversary: Symposium and Fred Fay Lectures-program: 10/16/2000

Subseries 4. Miscellaneous events
17. Learning Center Campaign: Steering Committee: 1996
20. Meetings: 1988

**Series 4: Annual reports/Budget**

26. Imaging: Operating Budget: FY 2005
27. Physiology Imaging: Operating Budget: FY 2004
28. Physiology: Operating Budget: FY 2005
29. Physiology: Operating Budget: FY 2006
30. Imaging: Operating Budget: FY 2006
32. Physiology Imaging: Operating Budget: FY 2001
33. Physiology: Operating Budget: FY 1991

**Box 4**

1. Physiology Imaging: Operating Budget: FY 2002
2. Faculty Salary Projections: FY 1987
5. Faculty Salary Data: 1992
7. Physiology: Operating Budget: FY 1990
8. Faculty salaries: Mid-year review: FY 1993
10. Operating Budget: FY 1993
11. UMMC Operating Budget: FY 1994
12. Operating Budget: FY 1995
15. Operating Budget: FY 1998
16. Operating Budget: FY 1998; NIH awards for medical schools, FY 1996; Faculty data
17. Physiology: Operating Budget: FY 1998
18. Physiology: Operating Budget: FY 1999
19. Physiology: Operating Budget: FY 1999
21. Operating Budget: Department of Physiology: FY 1996
22. Operating Budget: FY 1991
23. UMMC Operating Budget packet: FY 1991
24. Operating Budget instructions: FY 1988
25. Operating Budget: FY 1989
26. Operating Budget: FY 1993
27. Operating Budget: Chairman's narrative: FY 1998
28. Operating Budget: FY 1994
29. Faculty salaries: survey results, salaries lists: 1994 - 1995
31. Operating Budget: Chairman's narrative: FY 1993
32. Operating Budget: FY 2001
33. Operating Budget: FY 2002
34. Operating Budget: FY 1981
35. Operating Budget: FY 1980
37. Mid-Year Review: January 27, 1984
38. Mid-Year Review: January 25, 1985
39. Operating Budget: FY 1986
40. Scientific Affairs: Budget: FY 1985
41. Operating Budget: FY 1987
42. Oversight Committee for the Shops: correspondence, accounts: 1993

Box 5

1. Physiology: Operating Budget: FY 2007
2. UMMC Annual Report: FY 1986
Series 5: Department Accreditations and Reviews

6. Accreditation review: Physiology site visit: 1984
   7B. Physiology Department: Five-year review: 1983/1984, Part I
   8A. Physiology Department: Five-year review: 1983/1984, Part II
   8B. Physiology Department: Five-year review: 1983/1984, Part II
   9A. Department of Physiology: Five-year review: July 1984 - June 1989, Volume I, Part I
   10A. Department of Physiology: Five-year review: July 1984 - June 1989, Volume I, Part II
   12A. Department of Physiology: Five-year review: July 1984 - June 1989, Volume II, Part II
15. LCME [Liaison Committee on Medical Education] Study: 1995-1996

Box 6

1. LCME [Liaison Committee on Medical Education] Review: Subcommittee 14, 1996-Part 1
   1A. LCME [Liaison Committee on Medical Education] Review: Subcommittee 14, 1996-Part 2

Series 6: Grants

Subseries 1. Grant proposals

3. Grant application to Juvenile Diabetes Foundation International: "Growth hormone and cellular calcium: a possible link between decreased insulin sensitivity and hypertension": 1992
10. Grant: "Insulin Effect on Amino Acid Metabolism in Adipocytes": 1977 - 1986
11. Grant: "Insulin Effect on Amino Acid Metabolism in Adipocytes": 1977 - 1986
12. Grant: "Insulin Effect on Amino Acid Metabolism in Adipocytes": 1977 - 1986
13. Grant: "Effect of Insulin on Amino Acid Metabolism in Fat": 1986
18. Grant: "Growth Hormone Actions on Islet Cells": 1999
22. Grant: "Growth Hormone Action on Fat Metabolism": 1972 - 1973

Subseries 2. Miscellaneous
24. Correspondence re: H.M. Goodman's R01 DK45827-01 grant: 10/02/1992
25. NIH Grants - Physiology department
27. Correspondence: Medical Students-reference letters: 1980 - 1986
28. Correspondence: Graduate Students-reference letters: 1987
Series 7: Research

Box 7

Subseries 1. Miscellaneous

1. Adipocyte Proteins; GH Binding Proteins: Transparencies & printouts
2. Future of Basic Science Departments at UMMS: documents & correspondence: 1992
4. Pharmacology documents: PhD training: 1992
7. Physical Plant: 1980
10. Research Interests: undated

Subseries 2. Program in Molecular Medicine


Subseries 3. Core facilities and Equipment

22. Space Utilization, undated

Subseries 4. Research Data

23. Laboratory data: 09/1992 - 02/1993
24. Laboratory data: 03/1993 - 06/1993
25. Laboratory data: 07/1993 - 09/1993
27. Laboratory data: 03/1992
29. Laboratory data: 06/1992 - 08/1992
30. Laboratory data: undated
31. Laboratory data: 01/1991 - 02/1991
32. Laboratory data: 03/1991
33. Laboratory data: 04/1991 - 05/1991
34. Laboratory data: 06/1991 - 07/1991
35. Laboratory data: 06/1991 - 10/1991
37. Laboratory data: 08/1991
38. Laboratory data: 10/1991 - 12/1991
39. Laboratory data: 01/1992 - 03/1992

Box 8

1. Experiments protocols: undated
4. Experimental data: 1983
6. Statistical analysis: June 1991
7. Statistical analysis: June 1991
8. Statistical analysis: June 1991
9. Statistical analysis: June 1991
10. Statistical analysis: June 1991
11. Statistical analysis: August 1991
12. Statistical analysis: August 1991
16. Chromatogram and reports: undated
17. Manuscript (printed draft): unknown author: undated
18. Scans and data: September 1986
19. Chromatogram and reports: undated
20. Scans and data: 02/1987 - 03/1987
21. Chromatogram and reports: 02/1986
22. Statistical analysis: 12/1989
23. Statistical analysis: 01/1990
24. Laboratory data: undated
28. Statistical analysis: 01/1990
30. Laboratory data and transparencies: undated
31. Balance points summaries: undated
32. Chromatogram and reports: undated
33. Scans and data: undated

Box 9

1. Manuscript: Balance point by Maurice Goodman: background material and data: July 1990, Part 1
2. Manuscript: Balance point by Maurice Goodman: background material and data: July 1990, Part 2

Subseries 5. Publications

7. Publications: Department of Physiology: 1985 - 1986

Series 8: Legal/Administrative

Box 10

Subseries 1. Technology transfer

3. Senate committee on science and technology hearings: 10/13/1993

Subseries 2. Legal documents, Policies & Procedures

   CONFIDENTIAL- Access Restricted
   CONFIDENTIAL-Access Restricted
8. Department Chair Search Committee Guidelines: 1992
10. Compendium of selected Massachusetts Laws relating to the University of Massachusetts: 06/01/1974
11. Conflict of interest policy: 1995
12. Postdoctoral policy: 1990

Subseries 3. Human resources

16. Correspondence: Miner, Jane: 1994
17. Wyatt Study - Management: 1993
18. Wyatt Study - Oversight Committee: 1992
23. University of Massachusetts Policy handbook: June 1989, Part II
27. Academic Personnel Policy: 03/05/1980
30. Task Force on Faculty Promotion and Tenure: 1982 - 1986
Box 11

Subseries 4. Printing and Publication

2. Telephone directories and dialing instructions: 01/1976 - 03/1978
4. Publication: UMMC Magazine article draft: 1993

Subseries 5. Miscellaneous

8. University of Massachusetts - Three Campuses: Survey of Public Service Activities and Programs: undated
10. UMMC Space Committee: 1979 - 1987

Series 9: Councils, Committees, Commissions

Subseries 1. Miscellaneous committees and groups

15. New England Biomedical Research Coalition: 1994
21. Task Force on Retrenchment – Subcommittee on Faculty Comp.: 1991-1995
22. Standing Committee Rosters: 1990 - 1995
23. Subcommittee on Governance and Administration: 1989
24. Tenure Committee - Tenure Consideration: 1989
29. All Chairs Meeting, UMMC Committees: 1990-1992

Box 12

1. Board of Trustees-University of Massachusetts: Roster: 1993
5. Board of Trustees-Members Profiles: 1985
6. Board of Trustees: Correspondence, meeting minutes: 1985 - 1986
8. Cancer Center Planning Committee: 1985
17. National Board of Medical Examiners: 1977 - 1986

Subseries 2. Chancellor Search Committee

22. Chancellor Search Committee info: 2nd visit information: 1987
23. Chancellor Search planning: 1986
24. Candidates profiles: undated
25. Correspondence: 1986

Subseries 3. UMMC Scientific Council

28. UMMC Scientific Council: Core Facilities: undated
29. UMMC Scientific Council: FY94 Second Quarter Report of Sponsored Programs
30. Scientific Council: Correspondence, meeting agendas & minutes: 1993-1994
31. Scientific Council: Correspondence, meeting agendas & minutes, guidelines: 1993-1994

Series 10: Teaching

Subseries 1. Curriculums, handbooks, posters and medical school catalogs
32. First Year Curriculum: 1985 - 1987
33. Graduate Courses - First Year Curriculum: 1979 - 1981
34. Graduate Courses - First Year Curriculum: 1971 - 1982

Box 13

1. Faculty/Student Handbooks: 1986 - 1990
2. Posters: Cellular & Molecular Physiology Graduate Program
5. First Year Curriculum Committee: Meetings: 1995
7. Graduate School of Biomedical Sciences: correspondence, student/faculty handbook, course schedules: 1986 - 1988
8. Graduate Programs: Correspondence, information: 1983 - 1987
11. UMMS Catalog: Department information: 1986 - 1987

Subseries 2. Course materials: Class of 1988

Series 10: Teaching

Subseries 2. Course materials: Class of 1988

Subseries 3. Course materials: Class of 1989


Box 14

Endocrinology, 1986

**Subseries 4. Course materials: Class of 1993**


**Subseries 5. Course materials: Class of 2002**


**Box 15**


**Subseries 6. Course materials: Class of 2003**


**Subseries 7. Course materials: Class of 2004**


Subseries 8. Course materials: Class of 2005

22. Course materials: Class of 2005, Blocks I & II, Physiology, 2002
25. Course materials: Class of 2005, Block III, Physiology, 2002

Box 16

Subseries 9. Course materials: Class of 2006


Subseries 10. Course materials: Class of 2007

8. Course materials: Class of 2007, Blocks I & II, Physiology, 2004
9. Course materials: Class of 2007, Blocks I & II, Physiology, 2004
10. Course materials: Class of 2007, Blocks I & II, Physiology, 2004
11. Course materials: Class of 2007, Blocks I & II, Physiology, 2004
12. Course materials: Class of 2007, Blocks III & IV, Physiology, 2004
13. Course materials: Class of 2007, Blocks III & IV, Physiology, 2004

Subseries 11. Course materials: Class of 2008

15. Course materials: Class of 2008, Blocks I & II, Physiology, 2005
17. Course materials: Class of 2008, Blocks I & II, Physiology, 2005
18. Course materials: Class of 2008, Blocks I & II, Physiology, 2005
19. Course materials: Class of 2008, Blocks I & II, Physiology, 2005
20. Course materials: Class of 2008, Blocks III & IV, Physiology, 2005

**Subseries 12. Course materials: Class of 2009**

**Box 17**
1. Course materials: Class of 2009, Block III, Physiology, 2006
2. Course materials: Class of 2009, Block III, Physiology, 2006
3. Course materials: Class of 2009, Block III, Physiology, 2006

**Subseries 13. Course materials: Class of 2010**

**Subseries 14. Course materials: Class of 2011**
15. Course materials: Class of 2011, Blocks I & II, Physiology, 2008

**Subseries 15. Course materials: Class of 2012**
22. Course materials: Class of 2012, Physiology, 2009
Subseries 16. Conferences

23. Conferences: 1996
27. Conferences: 2000
28. Conferences: 2001

Box 18

1. Conferences: 2002
2. Conferences: 2003
3. Conferences: 2004
4. Conferences: 2005
5. Conferences: 2007

Subseries 17. Research rotation projects

7. Research Rotation Projects, Spring & Summer, 1990
8. Research Rotation Projects, Fall & Spring, 1990 - 1991
9. Research Rotation Projects, Fall, Spring, Summer, 1992 - 1993
10. Research Rotation Projects, Fall, Spring, Summer, 1994 - 1995
11. Research Rotation Projects, Fall, Spring, Summer, 1995 - 1996
12. Research Rotation Projects, Fall, Spring, Summer, 1996 - 1997
13. Research Rotation Projects, Fall, Spring, Summer, 1997 - 1998
14. Research Rotation Projects, Fall, Spring, Summer, 1998 - 1999

Subseries 18. Physiology course: Spring 1974

15. Course materials: Renal Physiology: 03/13/1974 - 03/26/1974
16. Course materials: Respiration: 03/13/1974 - 04/05/1974

Subseries 19. Reports

25. Correspondence: Physiology Course critique: 1987

**Subseries 20. Basic Science Academic Evaluation Board**


**Series 11: Photographs and slides**

**Box 19**

2. Slides: newsclips, pictures, and caricatures about UMass Medical School: Undated
3. Department of Physiology group photographs: 2007
4. Department of Physiology group photographs: 2008
5. Department of Physiology: photographs of Halloween pot luck: 2005
6. Department of Physiology: photographs of Sanderson's Lab party: undated
7. Department of Physiology: photographs of Christmas holiday party: undated
8. Department of Physiology group photographs: 1974 - 1983
9. Department of Physiology group photographs: 1984 - 1986
10. Department of Physiology group photographs: 1987 - 1989
11. Department of Physiology group photographs: 1990 - 1993
17. Flyer regarding tenure: "Let's hit this one out of the park": undated

**Box 20**

2. Photographs: Physiology Department faculty, UMMC buildings, laboratory equipment
3. Photographs: Physiology Department faculty
4. Photographs: Physiology Department faculty
5. Photographs: Miscellaneous
6. Photograph Contact Sheets, Negatives, Miscellaneous photos
7. Photograph Contact Sheets, Negatives, Miscellaneous photos
8. Photograph Contact Sheets, Negatives, Miscellaneous photos
10. Department of Physiology photographs: holiday party: 12-2001

Series 12: Artifacts and miscellaneous media

Box 21

1. Original key to UMass Medical School.
3. Floppy Disks