

## **MS-451, Skylab Collection**

**Collection Number:** MS-451

**Title:** Skylab Collection

**Dates:** 1960-1990

**Creator:** Dr. Shiro Furukawa

### **Summary/Abstract:**

The Skylab Collection comes from the library of Dr. Shiro Furukawa, who was a NASA scientist that worked under the supervision of Skylab physician Dr. Paul Buchanan. Dr. Furukawa was a flight surgeon on the Skylab Medical Team and later investigated space station era life sciences, medicine programs, manned operations, as well as automated/robotic space construction operations at Kennedy Space Center. This collection houses publications, reference material, NASA reports, journal, magazine, and newspaper clippings related to the research he conducted throughout his career.

**Quantity/Physical Description:** 11 linear feet

**Language(s):** English

### **Repository:**

Special Collections and Archives, Paul Laurence Dunbar Library, Wright State University, Dayton, OH 45435-001, (937) 775-2092

**Restrictions on Access:** There are no restrictions on accessing material in this collection.

### **Restrictions on Use:**

Copyright restrictions may apply. Unpublished manuscripts are protected by copyright. Permission to publish, quote, or reproduce must be secured from the repository and the copyright holder.

### **Preferred Citation:**

(Box Number, Folder Number), MS-451, Skylab Collection, Special Collections and Archives, University Libraries, Wright State University, Dayton, Ohio

### **Acquisition:**

Wright State University Special Collections and Archives accessioned the Skylab Collection in January 2006.

### **Custodial History:**

Dr. Buchanan stored Dr. Furukawa's library under the care of Executive Director of the Aerospace Medical Association, Dr. Russell Rayman, who in turn transferred it to Wright State University Special Collections and Archives.

**Separated Material:**

Books were removed from the collection and cataloged in the reading room of Special Collections and Archives.

**Related Material:**

FSC-21, Aerospace Medical Association Records  
FSC-22, Flight Nurse Section, Aerospace Medical Association Records  
FSC-37, Space Medicine Archives  
FSC-40, International Academy of Aviation and Space Medicine Records  
MS-397, Fred Oliver U.S. Space Program Collection  
MS-431, Cold War Aerospace Technology History Project Records

**Processed by:** Jeremy Katz (Spring 2012)

**Arrangement:**

The Skylab Collection is arranged into 6 series:

Series I: Dr. Shiro Furukawa's Resume, Biography, Correspondence, and Publications  
Series II: Apollo, Skylab, Space Station, and Space Shuttle Publications  
Series III: Controlled Ecological Life Support System (CELSS) Publications  
Series IV: Moon/Mars Colony Publications  
Series V: Space Life Sciences Publications  
Series VI: Journal/Magazine/Newspaper Clippings

**Biographical/Historical Note**

Dr. Shiro Furukawa was born on September 22, 1922, in Tosu City, Japan. He graduated from the Japanese Naval Academy in 1942 and served as a Naval Aviation Radar instructor at Yokosuka Naval Air Force Base. He received his M.D. degree in 1950 from the School of Medicine at Kumamoto University. He completed his postgraduate residency in pathology at the University of Tennessee in 1965 and joined the Advanced Technology Research Laboratory at the Marshall Space Flight Center in Huntsville, Alabama, where he conducted space life sciences experiments. After joining the Space Division of the General Electric Company, Dr. Furukawa served as a Skylab flight surgeon to organize crew health data processing for "go" or "no go" decisions. He received the NASA Group Achievement Award as a Skylab Medical team member in 1974. In 1979, Dr. Furukawa joined McDonnell Douglas Technical Services Company at the Kennedy Space Center (KSC) where he was involved with Medical/Life Sciences payloads processing and operational planning that paved the way for KSC Life Sciences and Medical Operation Planning Support.

Dr. Furukawa passed away on April 11, 1990. He was married and had three children.

**Scope and Content**

Researchers studying the Skylab Collection can gain insight into aerospace technology, particularly information pertaining to the life sciences and space exploration. The collection is arranged into six series:

Series I, Dr. Shiro Furukawa's Resume, Biography, Correspondence, and Publications, contains much of the material in the collection related to Dr. Furukawa. Most of the series is comprised of copies of his voluminous work "Life Sciences considerations for Long-Duration Manned Space Flights," which was published in 1990.

Series II, Apollo, Skylab, Space Station, and Space Shuttle Publications, contains various publications and reports related to the different space exploration ventures undertaken by NASA.

Series III, Controlled Ecological Life Support System (CELSS) Publications, contains published reports and literature on the subject of engineering life support systems in closed environments like space or biospheres.

Series IV, Moon/Mars Colony Publications, contains published reports and literature on the subject of colonizing or building a base on the moon and Mars.

Series V, Space Life Sciences Publications, contains published reports and literature on different aspects of the life sciences in space such as the effects of weightlessness on the human body.

Series VI, Journal, Magazine, and Newspaper Clippings, contains various excerpts from scholarly and mainstream publications related to Dr. Furukawa's research. It also contains miscellaneous tables and figures that Dr. Furukawa used as reference material in his research.

## **Subject Terms**

### **Persons/Families**

Dr. Shiro Furukawa

Dr. Paul Buchanan

### **Organizations/Corporate Names**

National Aeronautics and Space Administration (U.S.)

Aerospace Medical Association

### **Places**

Kennedy Space Center

### **Subjects (General)**

Space Medicine

Space Exploration

Apollo Project

Space Station Program (U.S.)

Skylab Project

Space Shuttle Missions

Controlled Ecological Life Support Systems (Space Environment)

## Material Types

Reports  
Journals  
Magazines  
Newspapers  
Cassettes, Audio  
Floppy Disks

## Occupations

Scientists  
Astrophysicists  
Medical Doctor  
Physician

## Collection Inventory

### **Series I     Dr. Shiro Furukawa's Resume, Biography, Correspondence, and Publications**

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
1	1	Dr. Shiro Furukawa's Resume, Biography, Business Card, and Correspondence	1982-1985, Undated
	2	"Life Sciences considerations for Long-Duration Manned Space Flight" (1 of 2)	Jan. 1984
	3	"Life Sciences considerations for Long-Duration Manned Space Flight" (2 of 2)	Jan. 1984
	4	"Life Sciences considerations for Long-Duration Manned Space Missions Draft" (1 of 2)	Jan. 1984
	5	"Life Sciences considerations for Long-Duration Manned Space Missions Draft" (2 of 2)	Jan. 1984
	6	"Life Sciences considerations for Long-Duration Manned Space Missions" Vol. II, Space Physiology	Mar. 1987
	7	"Life Sciences considerations for Long-Duration Manned Space Missions" Vol. II, Space Physiology	Mar. 1987
	8	"Life Sciences considerations for Long-Duration Manned Space Missions" Vol. II, Space Physiology	Mar. 1987
	9	Tables & Figures (Original) Vol. II	Undated
	10	"Life Sciences considerations for Long-Duration Manned Space Missions" Vol. III Draft	1986
	11	"Life Sciences considerations for Long-Duration Manned Space Missions" Vol. III Draft (1 of 2)	Oct. 1986
	12	"Life Sciences considerations for Long-Duration Manned Space Missions" Vol. III Draft (2 of 2)	Oct. 1986

	13	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. III Appendix A Originals (1 of 2)	Undated
	14	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. III Appendix A Originals (2 of 2)	Undated
	15	Figures and Tables from Vol. III	Undated
	16	Vol. III Appendixes B through F Originals	Jan. 1983
	17	Vol. III Paste ups & Oversized Figures	Undated
2	1	Vol. III Reference Data Sources	1964, 1981, 1983
	2	Vol. III Reference Data Sources	1964, 1984-1988
	3	Vol. III Reference Data Sources	1984, 1985
	4	Vol. III Reference Data Sources	1980-1989
	5	Vol. III Outline	Undated
	6	Vol. III Draft	Oct. 1986
	7	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. IV Draft (1 of 2)	1988
	8	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. IV Draft (2 of 2)	1988
	9	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. IV Draft (1 of 2)	1988
	10	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. IV Draft (2 of 2)	1988
	11	Vol. IV Floppy Disks	1988, Undated
	12	Vol. V Status, Outline, and Direction	1990
	13	Vol. V Working File	1990
	14	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. V, Part I	Oct. 1990
	15	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. V, Part I	Oct. 1990
	16	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. V, Part II	Oct. 1990
	17	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. V, Part II	Oct. 1990
	18	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. V, Part III	Oct. 1990
	19	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. V, Part III	Oct. 1990
	20	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. V, Appendixes	Oct. 1990
	21	“Life Sciences considerations for Long-Duration Manned Space Missions” Vol. V, Appendixes	Oct. 1990
	22	Vol. V Floppy Disks	Undated
	23	CELSS References not used in Vol. V	1970-1988
	24	CELSS References not used in Vol. V	1986-1988

3	1	CELSS References not used in Vol. V	1985-1989
	2	Microsoft Word: Beginner Course	1988
	3	Life Sciences considerations for Long-Duration Manned Space Flights Misc.	1990
	4	Input Data Sheets for ECLSS Database	1990, Undated
	5	“Various Concepts and Data Sources of Space Habitability and Human Capabilities” by Dr. Furukawa	1985
	6	“Excerpt & Interpretation of Biotechnology R&D requirements in 2000” by Dr. Furukawa	1982
	7	“Space Medicine in the Space Station Era” (Dr. Buchanan and Dr. Furukawa)	1984
	8	2 <sup>nd</sup> Nihon University International Symposium on Aerospace Science (Dr. Buchanan and Dr. Furukawa)	1989

## **Series II    Apollo, Skylab, Space Station, and Space Shuttle Publications**

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
3	9	Apollo 11 Mission Report	1971
	10	Apollo 17 Mission Report	Mar. 1973
	11	The Apollo- Soyuz Test Project Medical Report	1977
	12	Biomedical Experiments and Systems in Skylab	Apr. 1971
	13	All Skylab Missions Final Revision IMSS Checklist	Nov. 1973
	14	Skylab 1/2 Medical Briefing	Jul. 1973
	15	Skylab 1/3 Medical Briefing	1973
	16	Skylab 1/4 Medical Briefing	1974
	17	“Skylab and the Life Sciences”	Feb. 1973
	18	“Skylab Mission Report Second Visit”	Jan. 1974
	19	“Skylab Mission Report Second Visit”	Jan. 1974
	20	Skylab Second Manned Mission, Crew Surgeon’s Summary and Crew Health Monitoring	1975, 1976
	21	“Skylab 4 Preliminary Biomedical Report”	Jan. 1975
	22	“Biomedical Results from Skylab” (1 of 2)	1977
	23	“Biomedical Results from Skylab” (2 of 2)	1977
	24	“Skylab Media Information (Skylab III)”	Undated
	25	USS New Orleans: Prime Recovery Ship Supplement	Undated
4	1	KSC Life Science Experiments Operations Plan Spacelab	Nov. 1979
	2	Space Station Material & Info	1979-1988
	3	Spacelab Payload	1980
	4	Space Station Life Sciences Coordinating	1982

	Committee Meeting	
5	Space Station Mission Set	Jul. 1983
6	Logsdon Space Station Report	Aug. 1983
7	White Paper Space Station Logistics	1983
8	“Space Station Habitability Report”	1983
9	“Space Station Life Sciences Research Facility Technology Assessment and Technology Development Plan” Summary	1983
10	“Space Station Life Sciences Research Facility Technology Assessment and Technology Development Plan” Vol. I	1983
11	“Space Station Life Sciences Research Facility Technology Assessment and Technology Development Plan” Vol. II	1983
12	“Space Station Life Sciences Research Facility Technology Assessment and Technology Development Plan” Vol. III	1983
13	Space Station Assembly and Evolution	1985-1988
14	Space Station Operation and Design	1985, 1986, Undated
15	Conceptual Sketches for Space Station Module Outfitting	1985
16	Space Station Antarctic Analogs	1985
17	“Proceedings of the Seminar on Space Station Human Productivity”	1985
18	“Crew Interface Panel Space Station Habitability Requirements Document”	Dec. 1985
19	Multi-Cultural Dynamics in Space Stations”	1985, 1987
5	1 “Life Sciences Space Station Planning Document: A Reference Payload for the Life Sciences Research Facility”	1985, 1988
	2 Space Station Commercial Uses and Satellite Servicing	1987, 1988, Undated
	3 “Space Station Heavy Lift Launch Vehicle Utilization Study Results”	Jan. 1987
	4 Space Station Project, Engineering Design Directorate	1988
	5 “Space Station Freedom Technical Overview”	Oct. 1988
	6 Preliminary Design of Space Station ECLSS	1988
	7 “Space Station Wardroom Habitability and Equipment Study”	1990
	8 “STS-1 Medical Report”	Dec. 1981
	9 “STS-2 Medical Report”	May 1982
	10 Mission Operation Reports for STS-2, STS-3, STS- 4, and STS-5	1982
	11 Flight Schedules and Payload Handbooks for STS	1982-1986

	Missions 4, 21, 26, 34, 41, 42, 49, 50, 51, 52, 55, 56, 57, 58, 60, & 61	
12	NASA "Astronauts Fact Sheet"	May 1985
13	Astronaut Biographical Data	1986
14	"Biological and Medical Experiments on the Space Shuttle, 1981-1985"	1986
15	Kennedy Space Center (KSC) and Space Station	1986-1988
16	Space Shuttle-C User's Conference Presentations	Jun. 1989
17	Space Shuttle Medical Checklist	1990

### Series III Controlled Ecological Life Support System (CELSS) Publications

<u>Box</u>	<u>Box</u>	<u>Box</u>	<u>Box</u>
5	18	"Study of Life Support Systems for Space Missions exceeding on year in Duration"	1967
	19	Nutrition and Food Technology for CELSS	1967-1981
	20	Nutrition and Food Processing (CELSS)	1980, 1989
	21	CELSS Food/Nutrition	1985-1989
	22	CELSS and Water use	1976-1989
	23	NASA Technical memorandum on CELSS	1978, 1986, 1989
	24	KSC Proposal for a Closed Ecology Life Support System Research and Technology and Development Program	Dec. 1978
6	1	NASA Technical Memorandum "Closed System: Man-Higher Plants"	Feb. 1981
	2	CELSS and Plants	1982, 1987, 1988
	3	Plant Growth and CELSS	1982, 1987, 1988
	4	CELSS and Plants	1980, 1987
	5	Air Recycling for Space Station	1982, 1984
	6	NASA Reports on CELSS	1981-1988
	7	NASA Conference Publication on CELSS	1981, 1982, 1987
	8	NASA Contractor Reports on CELSS	1982
	9	NASA Contractor Reports on CELSS	1982, 1985
	10	NASA Contractor Reports on CELSS	1982, 1988, Undated
	11	Misc. Reports on Food/Nutrition and CELSS	1983
	12	NASA Conference Publication on CELSS	1984, 1986
	13	Misc. Reports on CELSS	1984-1987
	14	CELSS Workshop (pg. iii-150)	1985
	15	CELSS Workshop (pg. 151-300)	1985
	16	CELSS Workshop (pg. 301-450)	1985
	17	CELSS Workshop (pg. 451-636)	1985
	18	NASA Conference Publication "Controlled Ecological Life Support Systems in Space Travel"	1985
	19	CELSS Conceptual Design Option Study	1986



	20	NASA Contractor Report on CELSS	1988
7	1	CELSS Research and Development Guidelines	1988
	2	“Biomass Processing and Human Nutrition for CELSS”	Jan. 1988
	3	Algal Culture Studies for CELSS	Apr. 1988
	4	NASA Contractor Report on CELSS	1988
	5	NASA Contractor Report on CELSS	1989
	6	CELSS Data	1989
	7	NASA Conference Publication on CELSS	1989
	8	Misc. CELSS Publications	1984-1989

#### **Series IV Moon/Mars Colony Publications**

<u>Box</u>	<u>Box</u>	<u>Box</u>	<u>Box</u>
7	9	The Case for Mars	1965, 1986, 1987
	10	“Space Colony Manufacturing Facilities” Vol. II	1975
	11	“Space Colony Manufacturing Facilities” Vol. III	1977
	12	“Space Colony Manufacturing Facilities” Vol. IV	1977
	13	“The Case for Mars: Concept Development for a Mars Research Station”	1986
	14	Mars Mission & Colonization	1981-1988
	15	Misc. Mars Mission Publications	1981-1987
	16	Misc. Mars Mission Publications	1987-1990
	17	“High Frontier: A New National Strategy”	1982
	18	Planetary Exploration through Year 2000	1983
	19	“Lunar Surface Operations Study”	Dec. 1987
	20	Lunar Base Publications	1978-1988
	21	Misc. Publications on the moon	1984-1985
	22	Misc. Lunar Base Publications	1988, Undated
8	1	Misc. Lunar Base Publications	1987
	2	Misc. Lunar Base Publications	1988-1989, Undated
	3	“Lunar Base Launch and Landing Facility Conceptual Design”	1988
	4	“Lunar Bases & Space Activities in the 21 <sup>st</sup> Century” Symposium	1984
	5	“Lunar Bases & Space Activities in the 21 <sup>st</sup> Century” Symposium	1988
	6	“Lunar Bases & Space Activities in the 21 <sup>st</sup> Century” Symposium	1988
	7	“Lunar Bases & Space Activities in the 21 <sup>st</sup> Century” Symposium	1988
	8	Misc. Magazines on Mars	1988-1990
	9	“Lunar Transfer Vehicle On-Orbit Processing”	1990

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| 10 | “Strategic Considerations for Support of Humans in Space and Moon/Mars Exploration Missions” Vol. I  | Jun. 1992 |
| 11 | “Strategic Considerations for Support of Humans in Space and Moon/Mars Exploration Missions” Vol. II | Jun. 1992 |

**Series V    Space Life Sciences Publications**

<u>Box</u>	<u>Box</u>	<u>Box</u>	<u>Box</u>
8	12	Application of Aerospace Technology in Biology and Medicine	1965, 1987
	13	Final Report: System for the Management of Trauma and Emergency Surgery in Space	1965, 1983, 1987
	14	NASA Publications on Remote Operating Systems	1965, 1987
	15	“Study to Define a Biomedical Program” (pg. 1-150)	1971
	16	“Study to Define a Biomedical Program” (pg. 1-Appendix)	1971
	17	Crew Health Maintenance/Health Misc.	1971, 1988, 1989
	18	“Handbook of Human Engineering Design Data for Reduced Gravity Conditions”	1971, 1985
	19	Animal Care Facility Management Manual	1979
	20	USSR Life Sciences Digest	Nov. 1979
	21	Biospex: Biological Space Experiments	Jun. 1979
9	1	“The Heritage of Aviation Medicine: An Annotated Directory of Early Artifacts” by Robert J. Benford, M.D.	1979
	2	Satellite Power Systems (SPS) Bibliographies	Jan. 1979
	3	“Coal Mine Hazard Detection Using Synthetic Pulse Radar”	1981, 1988
	4	Aerospace Medical Association 52 <sup>nd</sup> Annual Scientific Mtg. (Audiocassette Tapes)	1981
	5	Aerospace Medical Association 52 <sup>nd</sup> Annual Scientific Mtg. (Audiocassette Tapes)	1981
	6	Appendix C from “Space and Planetary Environment Criteria Guidelines for use in Space Vehicle Development”	1983
	7	Appendix D from “Space and Planetary Environment Criteria Guidelines for use in Space Vehicle Development” (1 of 2)	1982
	8	Appendix D from “Space and Planetary Environment Criteria Guidelines for use in Space Vehicle Development” (2 of 2)	1982
	9	“Safety at Construction and Public Work Sites”	1983

	10	Reports N86-10098 through N86-10178	1983-1985
	11	Intraocular Pressure (IOP) Project	1984
	12	“Identification and Evaluation of Cost Factors relating to allocation of Crew Time”	Aug. 1984
	13	“The Verrun and Vernal Software System for Steady-State Visual evoked Response Experimentation”	1984, 1987
	14	Life Sciences Accomplishments	1985
	15	Life Sciences Research Laboratory Human Research Facility for Space Station (Sections 1-4)	Oct. 1985
	16	Life Sciences Research Laboratory Human Research Facility for Space Station (Sections 5-9)	Oct. 1985
	17	Life Sciences Research Laboratory Human Research Facility for Space Station (Sections 10-16)	Oct. 1985
	18	Space Biospheres Ventures	1985-1988
	19	Social Behavior Studies	1985-1987
	20	Robotics & Advanced Technology	1986-1988
	21	“Living Aloft: Human Requirements for Extended Space Flight”	Jun. 1987
	22	Abstracts from the Space Life Sciences Symposium: Research in Space	1987
	23	Aerospace Aphthalmology	May 1987
	24	John F. Kennedy Space Center Annual Report	1987
10	1	“The Quantitative Modeling of Human Spatial Habitability”	1987
	2	K.E. Tsiolkovskiy: Pioneer in the Major Areas of Development of modern Aeronautics	1987
	3	“Microgravity Science and Applications Program Tasks”	1987
	4	“Thermodynamic Data for Waste Incineration”	1988
	5	“Exploring the Living Universe: A Strategy for Space Life Sciences”	1988
	6	“Analysis of Storage Stability of Intermediate Moisture Foods”	1988
	7	“Review of Technologies supporting Human Exploration of the Solar System”	1988, Undated
	8	“Responses of Women to Orthostatic and Exercise Stresses”	Oct. 1990
	9	“Proceedings of the Eleventh Annual Meeting of the IUPS Commission of Gravitational Physiology”	Feb. 1990
	10	Technical Reports about Eccentric Exercises from the Biomedical Operation and Research Office	1990, 1991
	11	Nutritional models for Space Travel from Chemically defined Diets”	1985
	12	Misc. Space Life Sciences Publications	1963-1983

	13	Misc. Space Life Sciences Publications	1980-1990
	14	Misc. Space Life Sciences Publications	1982-1986, Undated
	15	Misc. Space Life Sciences Publications	1982-1986
	16	Misc. Space Life Sciences Publications	1982-1986
	17	Misc. Space Life Sciences Publications	1981-1986
	18	Misc. Social Behavior & Robotics Publications	1986-1988
	19	Misc. Social Behavior Articles	1988-1989
	20	“You’re the Flight Surgeon” and Medical Questionnaires from journal	1981-1987
	21	“You’re the Flight Surgeon” and Medical Questionnaires from journal	1981-1987
	22	AAS Papers 78-153 through 78-198 (1 of 2)	Undated
11	1	AAS Papers 78-153 through 78-198 (2 of 2)	Undated

### Series VI Journal, Magazine, and Newspaper Clippings

<u>Box</u>	<u>Box</u>	<u>Box</u>	<u>Box</u>
11	2	NASA Current News	1973
	3	Japanese Technology Articles	1987, 1988
	4	Japanese Technology Articles	1988
	5	Articles from Biological Sciences in Space	1986
	6	Book & Journal Reviews	1986
	7	Magazine/Journal Clippings	1983-1986
	8	Magazine/Journal Clippings	1983-1988
	9	Journal/Newspaper Clippings	1984-1988
	10	Magazine/Journal Clippings	1984-1988
	11	Misc. Journal/Newspaper Clippings	1984-1988
	12	Magazine/Journal Clippings	1985-1988
	13	Magazine/Journal/Newspaper Clippings	1987-1989
	14	Magazine/Journal Clippings	1988
	15	Misc. Journal Articles on Muscle Function in Space	1987-1988
	16	Misc. Journal Articles on Muscle Function in Space	1987-1988
	17	Misc. Articles from the <i>Journal of Applied Physiology</i>	1990
	18	Misc. Articles from the <i>American Journal of Physiology</i>	1990
	19	Misc. Articles from the <i>Journal of the American Medical Association</i>	1990
	20	Misc. Journal Articles from <i>Metabolism Clinical and Experimental</i>	1990
	21	Misc. Journal Articles on Sports Medicine	1990
	22	Misc. Articles from the <i>Scandinavian Journal of Clinical &amp; Laboratory Investigation</i>	1990
	23	Misc. Journal Articles from <i>Physical Therapy</i>	1990

12	1	Misc. Journal Articles on the subject of Acta Physiologica Scandinavia	190
	2	Misc. Journal Articles	1990
	3	Tables and Figures	Undated
	4	Tables and Figures	Undated
	5	Tables and Figures	Undated
	6	Tables and Figures	Undated
	7	Tables and Figures	Undated
	8	Tables and Figures	Undated
	9	Tables and Figures	Undated