

## **THE PAPERS OF CORNELIS A. G. WIERSMA**

Born and educated in the Netherlands, Wiersma came to the Biology Department at the California Institute of Technology in 1934 at the invitation of Thomas Hunt Morgan. He represented the field of comparative physiology and his scientific career focused first on the neuromuscular system, then the central nervous system and finally on the visual system.

From 1943 to 1950, he studied the myography and treatment of poliomyelitis and the treatment of schizophrenia with electronarcosis while on the attending staff of the L. A. County General Hospital. Wiersma was also a member of the Los Angeles County Smog Control Commission, which studied the effects of pollution on humans in the Los Angeles area.

In 1976, he was honored by a symposium given by his former coworkers when he retired after forty-five years, and was given the title Professor Emeritus. Wiersma maintained an active interest in his research until he died.

Wiersma was a member of the American Association for the Advancement of Science, the American Physiological Society, the Society for Neuroscience and Sigma Xi. He was a correspondent of the Royal Netherlands Academy of Arts and Sciences and a foreign associate of the National Academy of Science.

The bulk of the collection is professional correspondence, including items in Dutch and German, relating mainly to his work in neurophysiology, principally between 1950 to 1970. Other correspondence is concerned with meetings, professional associations and publishing. A small part of the collection is devoted to areas of research and research programs.

Carol Finerman  
Assistant Archivist  
August 1980

## THE PAPERS OF CORNELIS A. G. WIERSMA

<u>Folder Number</u>	<u>Title</u>
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### SECTION I: CORRESPONDENCE AND DOCUMENTS

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#### Box 1

1.1	List of publications
1.2	Personal, newsclippings, obituaries
1.3	Arechiga, Hugo n.d., 1966-1968, 1971-1975
1.4	Atwood, Harold 1963-1967, 1969-1970
1.5	Audesirk, Gerry 1974-1975
1.6	A Miscellaneous
1.7	Bullock, Theodore H. n.d., 1957, 1963, 1971, 1973-1976, 1978
1.8	Burrows, Malcolm 1966, 1968
1.9	Bush, Brian 1958, 1960, 1962-1965, 1968, 1969, 1973, 1975
1.10	B Miscellaneous
	California Institute of Technology
	Biology Department
1.11	1921, 1934, 1938-1940
	Thomas Hunt Morgan Letters
1.12	n.d., 1944, 1946, 1954-1955
1.13	Biology Tenure Committee 1974-1976
1.14	Faculty and Personal 1962, 1967, 1969, 1975-1976
1.15	Hixon Committee 1937, n.d., 1949-1953
1.16	75th Anniversary - J. Z. Young 1966
1.17	C Miscellaneous
1.18	D Miscellaneous
1.19	Eckert, Roger O. 1958-1962, 1964, 1966
1.20	E Miscellaneous
1.21	Florey, Ernst 1951-1955, 1958-1959, 1963, 1965
1.22	F Miscellaneous
1.23	Glantz, Raymon M. 1967-1970, 1972, 1974, 1978
1.24	Guggenheim, John Simon, Memorial Foundation 1956-1959, 1963, 1966
1.25	G Miscellaneous

#### Box 2

2.1	Hirsh, Richard 1972-1975
2.2	Hoyle, Graham 1954-1956, 1959, 1963-1966, 1970, 1973- 1975, 1977

2.3	Hughes, George M. 1959, 1962-1965, 1967
2.4	H Miscellaneous
2.5	IBRO (International Brain Research Organization) 1962-1964
2.6	Ikeda, Kazuo n.d., 1962-1965, 1967-1968, 1970
2.7	I Miscellaneous
2.8	J Miscellaneous
2.9	Katz, Bernard 1955, 1958, 1962, 1970
2.10	Kennedy, Donald 1959, 1962, 1964, 1966-1968, 1972-1973, 1977
2.11	Kuffler, Stephen W. 1945, 1951, 1953-1955
2.12	K Miscellaneous
2.13	Labhart, Thomas 1973, 1975-1977
2.14	Levick, William R. 1966
2.15	Los Angeles County Medical Association, Smog Committee n.d., 1947, 1950-1951, 1953-1954, 1957
2.16	L Miscellaneous
2.17	Marine Stations 1957, 1961, 1963-1964, 1966
2.18	Maynard, Donald 1964, 1966
2.19	Mendelson, Martin 1959-1964, 1966, 1971, 1973
2.20	Mill, Peter J. 1960-1967, 1969-1970, 1973-1974, 1976- 1977
2.21	Mittenthal, Jay 1973-1974, 1976-1979
2.22	M Miscellaneous

### **Box 3**

3.1	Naka, Ken-Ich 1966, 1970, 1973, 1975
3.2	N Miscellaneous
3.3	O Miscellaneous
3.4	Parmas, Itzchak 1964-1967, 1970-1971
3.5	Pilgrim, Robert L. C. 1952, 1958-1965
3.6	P Miscellaneous
3.7	Rayner, Martin 1961-1965, 1976
3.8	Robertson, J. David 1950-1951, 1953, 1961
3.9	Russell, Findlay E. 1960, 1962
3.10	R Miscellaneous
3.11	Sanjeeva-Reddy, Ponnathota 1969-1972
3.12	Selvarajan, V. R. 1967-1968, 1970-1971, 1973-1974
3.13	Shimozawa, Tato 1972-1974, 1976
3.14	Stieve, Hermann 1962-1963, 1969, 1972
3.15	Strumwasser, Felix 1962-1963, 1969, 1971, 1973-1974
3.16	S Miscellaneous
3.17	T Miscellaneous
3.18	U Miscellaneous
3.19	Van Hof-Van Duin, Jacomijntja 1962-1964, 1967-1972, 1974, 1976-1977

3.20	de Vlieger, Thomas A. 1969-1970, 1972
3.21	V Miscellaneous
3.22	Waterman, Talbot H. 1939-1941, 1943, n.d., 1946, 1953, 1955-1956, 1960-1964, 1967, 1969-1971, 1975
3.23	Washizu, Yoshiaki 1964
3.24	Wehner, Rudiger 1972-1973
3.25	Wine, Jeffrey J. 1971-1972, 1976-1978
3.26	Wood, James 1972-1973
3.27	Wright, Ernest n.d., 1944, 1959-1961, 1963-1964, 1966-1968, 1971-1972
3.28	W Miscellaneous

#### **Box 4**

4.1	Yamaguchi, Tsuneo 1957, 1963-1964, 1966-1968, 1970-1971
4.2	Yanagisawa, Kenji 1968-1973
4.3	Yinon, Uri 1969-1971, 1974
4.4	York, Barbara 1970-1976, n.d.
4.5	Y Miscellaneous
4.6	Z Miscellaneous
4.7	Unknown
4.8-4.9	Applicants <u>4.8</u> 1965-1970; <u>4.9</u> 1971-1973
4.10-4.11	Recommendations <u>4.10</u> 1963-1970; <u>4.11</u> 1971-1974

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## SECTION II: PROFESSIONAL ORGANIZATIONS, MEETINGS AND HONORS

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4.12	Symposium. Electronarcosis. Berkeley 1951-1952
4.13	Symposium. Recent Advances in Invertebrate Physiology. Eugene, Oregon Aug 29-Sep 2, 1955 Robert Oppenheimer Affair
4.14	Symposium and Guggenheim Foundation Grant. Cambridge 1956-1958
4.15	Seminars. Stanford, Seattle, Salt Lake February 1959
4.16	Comparative Neurophysiology. Hawaii Summer 1961
4.17	Conference on Comparative Neurophysiology. Leiden, Netherlands September 1962
4.18	Ojai Conference 1963
4.19	Cortical Unit Analysis and Memory Symposium. Caltech Dec 12-13, 1963
4.20	Lord Adrian Meeting. Cambridge, England Mar 16-20, 1964
4.21	Seminar. Austin, Texas Oct 6, 1964
4.22	"Coding of Information in the Nervous System." Santa Fe

- October 1964
- 4.23 Conferences. Berkeley, Seattle, Pullman, Eugene April 1965
- 4.24 Symposium on Nervous and Hormonal Mechanisms of Integration.  
St. Andrews, Scotland Summer 1965
- 4.25 Computing Center Symposium November 1965

### **Box 5**

- 5.1 Excitable Systems. San Francisco Dec 9-10, 1966
- 5.2 Seminar on Invertebrate Nervous System. University of  
Pennsylvania October 1967
- 5.3 Hormonal Control Systems in Health and Disease. Rancho Santa Fe  
Oct 20-27, 1967
- 5.4 Symposium on Behavior and Population Growth. St. Andrews,  
Scotland Summer 1967
- 5.5 Conferences 1967-1971
- 5.6 West Coast Conference on Excitable Systems. San Francisco  
Dec 13-14-1968
- 5.7 Short Term Processes in Neural Activity and Behavior Cambridge  
Jul 15-18, 1969
- 5.8 Rotterdam 1969
- 5.9 AIBS (American Institute of Biological Sciences) Sep 9-13, 1970
- 5.10 New York Academy of Science Conference May 3-5, 1971
- 5.11 Excitable Systems Conference. San Francisco Dec 8-9, 1972
- 5.12 Space Constant Symposium. Cologne, University Sep 18-20, 1973
- 5.13 Yale University Mar 19, 1973
- 5.14 Society for Neuroscience. San Diego Nov 7-10, 1973
- 5.15 "Neuro Control of Locomotion." Philadelphia, Pennsylvania  
Sep 28-Oct 2, 1975
- 5.16 Rotterdam. Honorary Doctorate (photos) Nov 8, 1976
- 5.16.1 Foreign Associate of the National Academy of Science April 1979

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### SECTION III: PUBLICATION CORRESPONDENCE

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- 5.17 American Society of Plant Physiologists. Abstracts 1955-1957
- 5.18 Journal of Neurobiology 1964, 1966, 1968-1978
- 5.19 Handbook of the Nervous System 1972-1977
- 5.20 Structure and Function of Proprioceptors in the Invertebrates  
1973-1976
- 5.21 Referees Comments 1968, 1971, 1973-1974, 1976
- 5.22 Publishers - Miscellaneous Correspondence 1968-1969, 1972-  
1973, 1975, 1979

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## SECTION IV: NOTES AND RESEARCH

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### **Box 6**

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|---------|--|
| 6.1     | American Philosophical Society Grant 1960-1951, 1953   |
| 6.2     | Wiersma Research 1950, 1952, 1958  |
| 6.3     | N.I.O.Z. 1963-1964   |
| 6.4-6.6 | Neurosciences Research Program <u>6.4</u> 1963-1965; <u>6.5</u> 1970-1971;<br><u>6.6</u> 1972-1973 |
| 6.7     | Research - Miscellaneous n.d.  |
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## SECTION V: MANUSCRIPTS AND PHOTOGRAPHS

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### **Box 7**

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|     | Ms. "The Nervous System of the Crayfish and Related Species,"<br>(with J. L. M. Roach)   |
| 7.1 | Chapter 1 (2 versions)   |
| 7.2 | Chapters 2 - 5   |
| 7.3 | Chapters 6 - 12  |
| 7.4 | Figures, Chapters 1 - 6  |
| 7.5 | Correspondence relating to manuscript  |
| 7.6 | Reprint, Chapter 28, The Handbook of Physiology: The Nervous<br>System I; and Ms. Chapter 1 (1/10/79): "The Caudal Photoreceptor |
| 7.7 | Photographs: laboratories, experiments, equipment, portraits<br>(1935-?)   |
| 7.8 | Photographs: symposia and conferences, group photos<br>(1924-1976)   |
| 7.9 | Reprints (10) Wiersma, Wiersma and others 1952-1975<br>[received Nov. 1989]  |
|     | Photo album on shelf   |
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## SECTION VI: SUPPLEMENTS

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### **Box 8**

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|     | Procambarus clarkii project (with P. J. Mills) [files donated by P. J. Mills] |
| 8.1 | Original data sheets 1961-62  |
| 8.2 | Punch cards 1961-62   |
| 8.3 | Initial data collations, n.d  |