

Inventory of the Clark Hubbs Papers, 1946-1999

The University of Texas at Austin – Texas Natural History Collections, Ichthyology Collection

Completed by Sara D'Antonio - August 12, 2011

Extent: 24.5 linear feet

Restrictions

Boxes 57 and 58 contain restricted materials under the Family Educational Rights and Privacy Act (FERPA) and Health Insurance Portability and Accountability Act (HIPAA).

Abstract

Dr. Clark Hubbs was a professor in the School of Biological Sciences, Section of Integrative Biology at The University of Texas at Austin, for his entire career, from 1949 until his death in 2008. He founded the University's Fish Collection, which is now part of the Texas Natural History Collections and deposited more fish specimens than anyone else has, or likely ever will. Hubbs published over 300 articles during his career and his idea for a book on the fishes of Texas began the Fishes of Texas Project. The *Clark Hubbs Papers* measures 24.5 linear feet and includes research notes, reprints, field notes, manuscripts, and some student records dating from 1946-1999.

History

Dr. Clark Hubbs was born March 15, 1921, in Ann Arbor, Michigan, to Carl Leavitt Hubbs and Laura Cornelia Clark Hubbs. His father was a noted ichthyologist, and the family revolved around fish. On vacations the family did fieldwork and all the Hubbs children were paid for collecting specimens: five cents per species, one dollar for a new species or subspecies, and five dollars for a new genus.

Hubbs received his B.A. in Zoology from the University of Michigan in 1942, shortly after he was drafted into the army. In January of 1946 Hubbs was honorably discharged and went back to school, where he obtained his Ph.D. from Stanford University in 1951. He met his wife, Catherine V. Symons, on a field trip with the Stanford Natural History Club and they married in 1949. That same year, he took a job at The University of Texas at Austin as an Instructor of Zoology. After finishing his doctorate he was promoted to Assistant Professor in 1952, and continued to rise through the ranks. Hubbs served as Chairman of the Division of Biological Sciences (1974 to 1976), Chairman of the Department of Zoology (1978 to 1986), and Regents Professor (1988 to 1991). In 1991 he achieved emeritus status.

Dr. Hubbs died on February 3, 2008. His professional contributions were numerous: he published over 300 papers, trained 41 masters and doctoral students, and was president of more than fifteen scientific organizations or committees. In a *Historical Perspectives* piece in *Copeia*, Hubbs said he sees his major contribution to ichthyology as “an improved general understanding of various aspects

of biology of fishes of the American Southwest.” His research covered taxonomic revisions, hybridization, geographic distribution, gynogenetic reproduction, and geographic variation of life history traits. Three fish have scientific names after Dr. Hubbs, and he holds the record for worst blue crab pinch. Throughout his career, Hubbs has also worked diligently to protect aquatic ecosystems and endangered species.

One of Hubbs’ most lasting legacies is the fish collection that is now part of the Texas Natural History Collections, which he started and built. He has deposited more specimens in the collection than anyone else has, or likely ever will. The Texas Natural History Collections is part of the Texas Memorial Museum at The University of Texas at Austin. With an idea for a book about the fishes of Texas, he essentially began the Fishes of Texas Project, which aims to “compile and make available... a comprehensive and high quality museum specimen-based database of occurrences of freshwater fishes covering the entire state of Texas.”

References

Desert Fishes Council. “Dr. Clark Hubbs Obituary.” Accessed August 6, 2011.
http://desertfishes.org/obits/ch/Clark_Hubbs.html.

“Dr. Clark Hubbs’ Home Page.” Accessed June 8, 2011.
<http://www.utexas.edu/tmm/tnhc/fish/hubbs/index.html>.

Fishes of Texas Project. “Fishes of Texas Project Documentation.” Accessed June 8, 2011.
<https://sites.google.com/site/fishesoftexasdocumentation/home/mission>.

Hendrickson, Dean A. and Margaret M. Stewart. “Historical Perspectives: Clark Hubbs.” *Copeia* (2) 2000: 619-622.

Hendrickson, Dean. “Hubbs Ichthyological Society.” Accessed June 8, 2011.
<http://www.utexas.edu/tmm/tnhc/fish/hubbs/HIS/index.html>.

Martin, F. Douglas, Robert J. Edwards, Dean A. Hendrickson, and Gary P. Garrett. “Obituary: Clark Hubbs.” *Fisheries* (33) 2008: 302.

Scope and Content

This collection, dating 1946 to 1999, primarily contains items from Dr. Hubbs’ research. Lab notes and other materials like notebooks, notecards, and field notes make up the majority of the collection. His devotion to research is echoed in the nearly 300 publications he produced in his lifetime. He researched taxonomic revisions, hybridization, geographic distribution, and gynogenetic reproduction, which are topics present in the collection. While research is the primary activity that resulted in the records of this collection, it is not the only one. There is also evidence of Hubbs as a professor, faculty member, researcher, and an author. This collection is important because it documents the start of the Texas Natural History Collections’ fish collection and covers nearly all of Hubbs’ professional life. Anyone studying Dr. Hubbs, Texas fishes, the Federal Aid in

Fisheries Restoration Act, Texas' Clear Creek, springs, or engaging in similar research would benefit from using this collection.

The major series of this collection are:

Researcher – Field Notes. The field notes to which this collection refers are primarily notes from other researchers dating from 1949-1957. These are notes made in the field as opposed to the lab, and consist of forms documenting items such as location, date, conditions, species, and methods of capture. This portion of the collection includes Mexico, California, Texas, and Nevada sub-series. The Nevada field notes were created by Dr. Hubbs and contain sketches and photos of locations. This series also includes sketches and photos made by Hubbs of locations. (Elsewhere in the TNHC are Hubbs' field notes.)

Researcher – Lab Notebooks. *Lab Notebooks* appear to be from specific, short-term experiments. Several sub-series contain two notebooks labeled "hot box" and "cold box." Many are labeled with month, day, and year, ranging from 1958 to 1968. When there is not a year associated with a notebook it can be found in the *Undated* sub-series.

Researcher – Lab Notecards. *Lab Notecards* are either 3x5 or 4x6 notecards resulting from lab experiments. These are dated 1966 to 1969 and appeared to chronicle things like eggs hatching or fish dying.

Researcher – Lab Notes. Perhaps the largest series in the collection, *Lab Notes* encompasses 38 of 59 boxes. They are primarily loose pieces of yellow gridded paper containing data handwritten in pencil documenting what was going on in Hubbs' lab. These papers contain information about many different kinds of experiments like species types, temperature variations, and egg hatching. They are organized into several sub-series that reflect Hubbs' own organization schemas and ones devised by the archivist. Sometimes Dr. Hubbs filed his lab notes according to date, other times species or topic. The major sub-series are: years from 1954 to 1968, *Undated*, *Binder Topics*, *Mollies*, *Clear Creek Data*, and "*Spring Data*." Wherever possible, the year sub-series are broken up further into sub-sub-series according to month. When no date was supplied, lab notes were filed under *Undated*. *Binder Topics* is a rough term to describe a series of binders stored together in a series of drawers that were labeled by Hubbs with species names and topics. Within the binders are tabbed dividers that have been persevered, although this level of description is not available in the Arrangement. *Mollies* contains several folders of loose notes as well as 18 notebooks. *Clear Creek Data* is a sub-series containing data from Clear Creek and is organized by Hubbs further into folders labeled with a letter and a number (i.e. A-1, B-3) most likely denoting a specific, defined area of Clear Creek. "*Spring Data*" is the least meticulously kept sub-series of lab notes that is recorded on letter and legal-sized notebook paper.

Researcher – Reports. This series contains reports from the Federal Aid in Fisheries Restoration Act. There are “Job Completion Reports” and “Segment Reports” as well as correspondence from Dr. Hubbs with regards to certain reports mixed in together. This series would benefit from some additional processing when and if the resources could be procured. These documents could be some of the only existing copies outside of the Texas State Archives.

Author – Manuscripts. Dr. Hubbs kept drafts of many of his articles, which were organized thematically. This series also contains correspondence relating to journal submission and revisions. Often article drafts have Hubbs’ handwritten edits, which would be valuable to researchers interested in his writing and publishing process.

Author – Reprints. Hubbs authored over 300 articles during his life and retained some of them. He stored reprints of the articles in boxes according to his own specified categories, which have been maintained as sub-series names. The categories can be a species, date, location, or type of item (i.e. obituaries). Hubbs repurposed boxes from legal pads or lab kits and sticky nametags as labels for his storage system. Where possible two copies of each article have been placed in archival housing, one copy put on the TNHC shelves, and the rest stored in the boxes, as Hubbs originally stored them. Additionally, these items have been entered into Mendeley, an online bibliographic reference tool.

Author – Visual Aids. *Visual Aids* is further broken up into the sub-series: *Illustrations, Guadalupe River Stamp, Maps, Negatives and Slides, and Photographs.* This series encompasses visual aids produced through Dr. Hubbs’ work. There are photos of locations and fish, hand drawings for article illustrations, graphs to accompany articles, and rough sketches no doubt made in the lab.

Faculty Member – Administrator. The smallest segment of the collection is from Dr. Hubbs’ responsibilities as a faculty member, most likely because the School of Biological Sciences usually maintained these types of records centrally. However, some records did make their way into Hubbs’ personal collection. Sub-series include: *Brackenridge Field Lab Key Requests, Correspondence, Doctoral Candidate Paperwork, Faculty Data, Graduate Application Correspondence, and Misc. Student Records.* There is some restricted material within this series.

Faculty Member – Professor. There is also some restricted material within this series.¹ Sub-series include: *Biology 21j Lab Notes, Student Bibliographies, Student Field Notes, Student Grades, Student Illustrations, Student Papers, Student Notebooks, Student Research, and Syllabi.*

¹ Although FERPA can be interpreted differently according to state or institution, a good rule of thumb to follow when opening student records is 70 years after creation or death of the person to which they pertain, whichever comes first. *The Academic Archivist: Newsletter of the College and University Section Society of American Archivists* (vol. 22, no. 3, summer 2005).

Administrative History

This collection was donated to the Texas Natural History Collections as a bequest from Dr. Hubbs' will. It was processed by Sarah D'Antonio during the summer of 2011. Along with his papers, the Texas Natural History Collections also houses Hubbs' extensive reprint collection (88.5 linear feet), library of books, and field notes. These items are not discussed in this inventory.

System of Arrangement

The collection is divided into three groups according to the activity that resulted in Dr. Hubbs creating the record. They are: *Researcher*, *Author*, and *Faculty Member*. Wherever possible original order was maintained and Hubbs' labels were preserved. To denote the difference, series with quotation marks around the name are labels taken directly from the records' original container. The archivist named series without quotation marks.

Group I – RESEARCHER

1. Correspondence
2. Field Notes
3. Fish Scale Samples
4. Lab Notebooks
5. Lab Notecards, 1966-1969
6. Lab Notes
7. Reports

Group II – AUTHOR

1. Manuscripts
2. "Publications"
3. Reprints
4. Visual Aids

Group III – FACULTY MEMBER

1. Administrator
2. Professor

Container List

The following is the container list for the Clark Hubbs Papers. It is comprised of 59 boxes. The last box holds over-sized items and is the only instance where the intellectual arrangement is not strictly followed. Each line of text under a Box heading represents a folder.

RESEARCHER – Correspondence

Box Folder

1	1	Correspondence
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RESEARCHER – Field Notes

Box	Folder	
1	2	Mexico, 1949-51
1	3	California, 1947-1951
1	4	“Nevada Field Data,” June 1964
1	5	Texas, 1951
1	6	Texas, 1952
1	7	Texas, 1953
1	8	Texas, 1955
1	9	Texas, 1957
1	10	Texas, undated

RESEARCHER – Fish Scale Samples

Box	Folder	
2	1	Fish Scale Specimens

RESEARCHER – Lab Notebooks

Box	Folder	
2	2	1958-59, “Gambusia Mating Data”
2	3	Dec. 25, 1962 – Feb. 2, 1963
2	4	Sept. 10 – Oct. 15, 1964
2	5	Nov. 19 – Dec. 20, 1964
2	6	Jan. 24 – March 14, 1965 (A-4 and B-4)
2	7	March 15 – May 24, 1965
2	8	March 16 – April 22, 1965
2	9	May 24 – July 27, 1965
3	1	May 24 – June 30, 1965
3	2	Jan. 31 – Feb. 10, 1966 (hot box and cold box)
3	3	July 14 – Aug. 18, 1967
3	4	Aug. 19 – Oct. 2, 1967
3	5	Aug. 20 – Dec. 2, 1967
3	6	Nov. 25 – Dec. 21, 1967 (hot box and cold box)
3	7	Dec. 25, 1967 – Feb. 2, 1968
3	8	Feb. 5 – March 15, 1968 (hot box and cold box)
3	9	March 18 – April 26, 1968 (hot box and cold box)
4	1	April 29 – May 19, 1968 (hot box and cold box)
4	2	Undated, Feb 11 – March 23 (hot box and cold box)
4	3	Undated, March 24 – April 13 (hot box and cold box)
4	4	Undated, May – June (hot box and cold box)
4	5	Undated, June – Sept., “Fish – Hubbs”
4	6	Undated, June – Sept., “Threadfin”
4	7	Undated, June 8 – July 21
5	1	Undated, June – Oct.
5	2	Undated, Oct. 22 – 29
5	3	Undated, Oct. 22 – Nov. 8
5	4	Undated, Nov. 19 – Dec. – Jan. 24

RESEARCHER – Lab Notebooks (*continued*)

Box	Folder	
5	5	Undated, 1 of 4
5	6	Undated, 2 of 4
5	7	Undated, 3 of 4
5	8	Undated, 4 of 4
5	9	“Pubs. TAS, 1892-1957”

RESEARCHER – Lab Notecards

Box	Folder	
5	10	1966-1969, 1 of 15
6	1	1966-1969, 2 of 15
6	2	1966-1969, 3 of 15
6	3	1966-1969, 4 of 15
6	4	1966-1969, 5 of 15
6	5	1966-1969, 6 of 15
6	6	1966-1969, 7 of 15
7	1	1966-1969, 8 of 15
7	2	1966-1969, 9 of 15
7	3	1966-1969, 10 of 15
7	4	1966-1969, 11 of 15
7	5	1966-1969, 12 of 15
8	1	1966-1969, 13 of 15
8	2	1966-1969, 14 of 15
8	3	1966-1969, 15 of 15

RESEARCHER – Lab Notes

Box	Folder	
8	4	“54 & 55”
8	5	“1956,” 1 of 2
8	6	“1956,” 2 of 2
9	1	“1957 and 1958”
9	2	“Jan. through June 1958”
9	3	July 1958
9	4	Aug. 1958
9	5	“Nov. through Dec. 1958”
9	6	“Jan. Feb. 1959,” 1 of 2
10	1	“Jan. Feb. 1959,” 2 of 2
10	2	March 1959, 1 of 2
10	3	March 1959, 2 of 2
10	4	“April 1959 through Nov. 1959,” 1 of 2
10	5	“April 1959 through Nov. 1959,” 2 of 2
10	6	April 1959
10	7	May 1959
10	8	June 1959
10	9	July 1959

RESEARCHER – Lab Notes (*continued*)

Box	Folder	
10	10	Aug. 1959
10	11	Oct. 1959
10	12	Nov. 1959
11	1	Dec. 1959
11	2	“Dec. 1959-Jan. 1960,” 1 of 2
11	3	“Dec. 1959-Jan. 1960,” 2 of 2
11	4	Jan. 1960
11	5	“Jan. 16-Feb. 14, 1960”
11	6	Feb. 1960
11	7	“Feb. 15-March 13, 1960”
12	1	“March 14-March 30, 1960”
12	2	March 1960
12	3	April 1960
12	4	“April 1960”
12	5	“April 2-May 10, 1960”
12	6	May 1960
12	7	June 1960
12	8	July 1960
12	9	Aug. 1960
12	10	Oct. 1960
12	11	Nov. 1960
13	1	Dec. 1960
13	2	Feb. 1961, 1 of 2
13	3	Feb. 1961, 2 of 2
13	4	March 1961, 1 of 2
13	5	March 1961, 1 of 2
13	6	April 1961, 1 of 2
14	1	April 1961, 2 of 2
14	2	May 1961, 1 of 2
14	3	May 1961, 2 of 2
14	4	June 1961 – “ <i>Scaphiopus couchii</i> ”
14	5	June 1961, 1 of 3
14	6	June 1961, 2 of 3
15	1	June 1961, 3 of 3
15	2	June-July 1961 – “Travis Co., <i>M. olivacea</i> ”
15	3	Aug. 1961
15	4	Oct. 1961
15	5	Nov. 1961, 1 of 2
15	6	Nov. 1961, 2 of 2
15	7	Dec. 1961, 1 of 3
15	8	Dec. 1961, 2 of 3
16	1	Dec. 1961, 3 of 3
16	2	Jan. 1962, 1 of 5
16	3	Jan. 1962, 2 of 5

RESEARCHER – Lab Notes (*continued*)

Box	Folder	
16	4	Jan. 1962, 3 of 5
16	5	Jan. 1962, 4 of 5
16	6	Jan. 1962, 5 of 5
16	7	Feb. 1962, 1 of 4
17	1	Feb. 1962, 2 of 4
17	2	Feb. 1962, 3 of 4
17	3	Feb. 1962, 4 of 4
17	4	March 1962, 1 of 5
17	5	March 1962, 2 of 5
18	1	March 1962, 3 of 5
18	2	March 1962, 4 of 5
18	3	March 1962, 5 of 5
18	4	April 1962, 1 of 6
18	5	April 1962, 2 of 6
18	6	April 1962, 3 of 6
19	1	April 1962, 4 of 6
19	2	April 1962, 5 of 6
19	3	April 1962, 6 of 6
19	4	May 1962, 1 of 4
19	5	May 1962, 2 of 4
19	6	May 1962, 3 of 4
20	1	May 1962, 4 of 4
20	2	June 1962
20	3	Sept. 1962
20	4	Oct. 1962
20	5	Oct. 1962 – “F. Similis Rockport in Pool H_2O ”
20	6	Nov. 1962, 1 of 2
20	7	Nov. 1962, 2 of 2
20	8	Dec. 1962, 1 of 3
20	9	Dec. 1962, 2 of 3
21	1	Dec. 1962, 3 of 3
21	2	Jan. 1963, 1 of 2
21	3	Jan. 1963, 2 of 2
21	4	Feb. 1963, 1 of 2
21	5	Feb. 1963, 2 of 2
22	1	March 1963
22	2	April 1963
22	3	May 1963
22	4	July 1963
22	5	Oct. 1963
22	6	Nov. 1963, 1 of 3
22	7	Nov. 1963, 2 of 3
23	1	Nov. 1963, 3 of 3
23	2	Dec. 1963, 1 of 2

RESEARCHER – Lab Notes (*continued*)

Box	Folder	
23	3	Dec. 1963, 2 of 2
23	4	Jan. 1964, 1 of 4
23	5	Jan. 1964, 2 of 4
24	1	Jan. 1964, 3 of 4
24	2	Jan. 1964, 4 of 4
24	3	Feb. 1964, 1 of 4
24	4	Feb. 1964, 2 of 4
24	5	Feb. 1964, 3 of 4
25	1	Feb. 1964, 4 of 4
25	2	March 1964, 1 of 3
25	3	March 1964, 2 of 3
25	4	March 1964, 3 of 3
25	5	April 1964, 1 of 4
26	1	April 1964, 2 of 4
26	2	April 1964, 3 of 4
26	3	April 1964, 4 of 4
26	4	May 1964, 1 of 3
26	5	May 1964, 2 of 3
27	1	May 1964, 3 of 3
27	2	June 1964
27	3	Sept. 1964
27	4	Oct. 1964
27	5	Nov. 1964
27	6	Dec. 1964
27	7	Jan. 1965
27	8	Feb. 1965
27	9	March 1965
27	10	April 1965
27	11	May 1965
27	12	“May 1965” (separate folder)
27	13	June 1965
27	14	June-July 1966
27	15	Sept. 1967
27	16	Oct. 1967
27	17	Dec. 1967
27	18	Jan. 1968
27	19	Feb. 1968
27	20	March 1968
27	21	Sept. 1968
28	1	Undated, 1 of 15
28	2	Undated, 2 of 15
28	3	Undated, 3 of 15
28	4	Undated, 4 of 15
28	5	Undated, 5 of 15

RESEARCHER – Lab Notes (*continued*)

Box	Folder	
28	6	Undated, 6 of 15
29	1	Undated, 7 of 15
29	2	Undated, 8 of 15
29	3	Undated, 9 of 15
29	4	Undated, 10 of 15
30	1	Undated, 11 of 15
30	2	Undated, 12 of 15
30	3	Undated, 13 of 15
30	4	Undated, 14 of 15
59	1	Undated, 15 of 15
31	1	Binder: Caeruleum
31	2	Binder: Cavotinoids, Broyen
31	3	Binder: Dionda diabolis
31	4	Binder: Etheostoma lepidum
31	5	Binder: E. lepidum Control
31	6	Binder: E. lepidum ♂
32	1	Binder: E. spectabile Control
32	2	Binder: E. spectabile Intrageneric
32	3	Binder: General
32	4	Binder: Etheostoma grahami, radiosum, fonticola, proeliare
32	5	Binder: Hadropterus, 1 of 2
32	6	Binder: Hadropterus, 2 of 2
33	1	Binder: Intergeneric spectabile
33	2	Binder: Other Etheostoma, 1 of 2
33	3	Binder: Other Etheostoma, 2 of 2
33	4	Binder: Percina
33	5	Binder: Unlabeled
34	1	Mollies – “Mollie Work,” 1 of 3
34	2	Mollies – “Mollie Work,” 2 of 3
34	3	Mollies – “Mollie Work,” 3 of 3
34	4	Mollies – Notebooks #1-3 (Jan.-Feb. 1960)
34	5	Mollies – Notebooks #4-6 (Jan.-Feb. 1960)
34	6	Mollies – Notebooks #7-9 (March 1960)
35	1	Mollies – Notebooks #10-12 (March 1960)
35	2	Mollies – Notebooks #13-15
35	3	Mollies – Notebooks #16-18
35	4	“Alloclinus”
35	5	“Cryptotrema”
35	6	“Dialomus”
35	7	“Enneapterygius”
35	8	“Exerpes”
35	9	“Gambusia heterochir”
35	10	“Gambusia hurtadoi”
35	11	“Gibbonsia”

RESEARCHER – Lab Notes (*continued*)

Box	Folder	
36	1	“Gibbonsia Plotted”
36	2	“Heterostichus”
36	3	“L. socorroensis”
36	4	“Lab Species IV (1946)”
36	5	“Light Control”
36	6	“Malacodenus”
36	7	“Misc.”
36	8	“Mnierpes”
36	9	“Neoclinus stevensae”
36	10	“New Genus”
36	11	“Notropis lutrensis”
36	12	“Paraclinus Raw Data”
36	13	“Rypticus & Paralabrax”
36	14	“S.W. Assn. Naturalist <i>S.W. Naturalist</i> ”
36	17	“Starksia”
36	18	Clear Creek, 1 of 25
37	1	Clear Creek, 2 of 25
37	2	Clear Creek, 3 of 25
37	3	Clear Creek, 4 of 25
37	4	Clear Creek, 5 of 25
37	5	Clear Creek, 6 of 25
38	1	Clear Creek, 7 of 25
38	2	Clear Creek, 8 of 25
38	3	Clear Creek, 9 of 25
38	4	Clear Creek, 10 of 25
38	5	Clear Creek, 11 of 25
39	1	Clear Creek, 12 of 25
39	2	Clear Creek, 13 of 25
39	3	Clear Creek, 14 of 25
39	4	Clear Creek, 15 of 25
39	5	Clear Creek, 16 of 25
40	1	Clear Creek, 17 of 25
40	2	Clear Creek, 18 of 25
40	3	Clear Creek, 19 of 25
40	4	Clear Creek, 20 of 25
41	1	Clear Creek, 21 of 25
41	2	Clear Creek, 22 of 25
41	3	Clear Creek, 23 of 25
41	4	Clear Creek, 24 of 25
41	5	Clear Creek, 25 of 25
42	1	“Spring Data,” 1 of 17
42	2	“Spring Data,” 2 of 17
42	3	“Spring Data,” 3 of 17
43	1	“Spring Data,” 4 of 17

RESEARCHER – Lab Notes (*continued*)

Box	Folder	
43	2	“Spring Data,” 5 of 17
43	3	“Spring Data,” 6 of 17
43	4	“Spring Data,” 7 of 17
44	1	“Spring Data,” 8 of 17
44	2	“Spring Data,” 9 of 17
44	3	“Spring Data,” 10 of 17
44	4	“Spring Data,” 11 of 17
45	1	“Spring Data,” 12 of 17
45	2	“Spring Data,” 13 of 17
45	3	“Spring Data,” 14 of 17
46	1	“Spring Data,” 15 of 17
46	2	“Spring Data,” 16 of 17
47	1	“Spring Data,” 17 of 17

RESEARCHER – Reports

Box	Folder	
47	2	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 1 of 27
47	3	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 2 of 27
48	1	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 3 of 27
48	2	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 4 of 27
48	3	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 5 of 27
48	4	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 6 of 27
49	1	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 7 of 27
49	2	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 8 of 27
49	3	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 9 of 27
49	4	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 10 of 27
50	1	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 11 of 27
50	2	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 12 of 27
50	3	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 13 of 27
50	4	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 14 of 27
51	1	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 15 of 27
51	2	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 16 of 27
51	3	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 17 of 27
51	4	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 18 of 27
52	1	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 19 of 27
52	2	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 20 of 27
52	3	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 21 of 27
52	4	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 22 of 27
53	1	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 23 of 27
53	2	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 24 of 27
53	3	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 25 of 27
53	4	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 26 of 27
53	5	Federal Aid in Fisheries Restoration Act – Job Completion Reports, 27 of 27

AUTHOR – Manuscripts

Box	Folder	
54	1	“Checklist”
54	2	“D. diabolis”
54	3	“Darter Survival”
54	4	“Darter Variability”
54	5	“Gambusia heterochir”
54	6	“Gibbonsia Cooper”
54	7	“Gibbonsia horae, Lake Bisteneau”
54	8	“Minnow Variability”
54	9	“Myxodes”
54	10	“N. lutrensis x N. venustus”
54	11	“Neoclinus”
55	1	Unlabeled

AUTHOR – “Publications”

Box	Folder	
55	2	“Publications”

AUTHOR – Reprints

Box	Folder	
55	3	“1971 Etheostoma histrio, Shrimp”
55	4	“1971-1973 Exotics, Cyprinodon”
55	5	“1972-1973, New Mexico, Reviews”
55	6	“76-77, Oklahoma Impoundment, Review”
55	7	“Astyanax Karyotype”
55	8	“Cyprinodon rubrofluviatilis”
55	9	“Darter Reproduction”
55	10	“Dorosoma petenense”
55	11	“Early Temp. Effect”
55	12	“Ecosystematics”
55	13	“Faunal Supplementation”
55	14	“Frank Blair & Carl Hubbs Obits”
55	15	“Fudulus kansae”
55	16	“Gambusia gaigei & Reviews”
55	17	“Gambusia”
55	18	“Gambusia gaigei”
55	19	“Golden Tide”
55	20	“Halocline”
55	21	“Hubbs & Lindsey”
55	22	“Inland Water”
55	23	“Leon Cr.”
55	24	“Light Intensity, Balmorhea Fishes, Checklists”
56	1	“Menidia audens”
56	2	“Menidia Life History”
56	3	“Misc. Dlut Hybrid, Big Bend,” 1 of 2

AUTHOR – Reprints (*continued*)

Box	Folder	
56	4	“Misc. Dlude Hybrids, Big Bend,” 2 of 2
56	5	“North Yemen”
56	6	“Nuclear Power in Texas”
56	7	“Oklahoma Fishes”
56	8	“Opsopoedus emiliae”
56	9	“Pterus copelandi”
56	10	“Red Data Book”
56	11	“Reviews & Drosophila”
56	12	“San Marcos Gambusia”
56	13	“Snails”
56	14	“Springs”
56	15	“Texas, 53-86”
56	16	“Thermal Consequences”
56	17	“Tornillo Cr.”

AUTHOR – Visual Aids

Box	Folder	
59	2	Guadalupe River Stamp
56	18	Illustrations, 1 of 2
59	3	Illustrations, 2 of 2
56	19	“The Inside on the Outdoors,” Clayt Seagears’ Illustrations
56	20	Maps
57	1	Negatives and Slides
57	2	Photographs

FACULTY MEMBER – Administrator**

Box	Folder	
57	3	Brackenridge Field Lab Key Requests (1968-69)
57	4	Correspondence
57	5	Doctoral Candidate Paperwork
57	6	Faculty Data
57	7	Graduate Application Correspondence
57	8	Misc. Student Records

FACULTY MEMBER – Professor**

Box	Folder	
57	9	Biology 21j Lab Notes, 1 of 2
57	10	Biology 21j Lab Notes, 2 of 2
58	1	Student Bibliographies
58	2	Student Field Notes
58	3	Student Grades
58	4	Student Illustrations
58	5	Student Papers
58	6	Student Notebooks, 1 of 5
58	7	Student Notebooks, 2 of 5
58	8	Student Notebooks, 3 of 5
58	9	Student Notebooks, 4 of 5
58	10	Student Notebooks, 5 of 5
58	11	Student Research, Jan.-June 1962
58	12	Syllabi

** Contains restricted materials.