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## David Ledbetter Nanney Papers

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The experimental ciliatologist David L. Nanney spent much of his career studying the protozoan *Tetrahymena*. Under Tracy M. Sonneborn at Indiana University, he completed a dissertation in 1951 on the mating habits of *Paramecium*, but soon after joining the faculty at the University of Michigan, he turned his attention to *Tetrahymena*. During his subsequent career in Ann Arbor

(1951-1959) and at the University of Illinois (1959-1991), Nanney made a series of fundamental contributions to the cytology, genetics, developmental biology, and evolution of ciliates, influencing the work of other biologists such as Joe Frankel, Janina Kaczanowska, Linda Hufnagel, and Nicola Ricci. Since his retirement in 1991, Nanney has remained in Urbana.

The Nanney Papers include a dense run of professional correspondence with ciliatologists, geneticists, students and colleagues regarding his pioneering research on ciliates and other professional matters. Of particular note is an extensive correspondence with Sonneborn, accompanied by several biographical essays written after Sonneborn's death, and a large body of correspondence of the controversial reorganization of the biological sciences departments at the University of Illinois in the 1970s. The collection also includes a selection of Nanney's writings and a handful of photographs.

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## Background on David L. Nanney

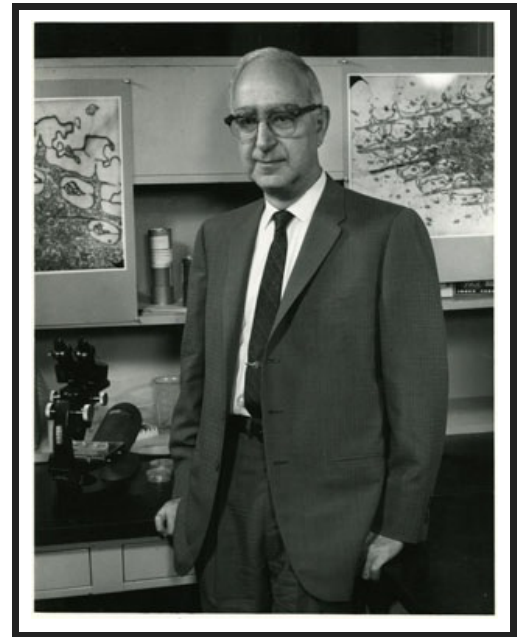
The ciliatologist David Ledbetter Nanney was born in Abingdon, Va., on October 10, 1925, the son of T. Grady and Pearl Ledbetter Nanney. As an infant, David's father, a Baptist minister, moved from the Blue Ridge Mountains to the oil boom town of Wewoka, Oklahoma, capitol of the Seminole Nation. Although not highly educated in a formal sense, his family was nevertheless strongly oriented toward learning. After graduating high school and being excluded from military service due to the effects of childhood ailments, Nanney entered Oklahoma Baptist University in Shawnee, Okla., with the class of 1946. Studying literature and philosophy, he racked up a mixed academic record, and when his hopes of securing funding to continue his studies in the humanities fell by the wayside, he seized the opportunity to enter a field where funding was deeper and the need for graduate students more acute: zoology.

Following this rather uncommon path into science, Nanney entered Indiana University in the fall of 1946. In the post-war years, Indiana was home to a vibrant, often fractious collection of biologists, including the future Nobel laureates Herman J. Muller and Salvador Luria and the distinguished geneticist, Tracy M. Sonneborn. Despite Nanney's meager background in biology, Sonneborn agreed to become his research advisor, and fairly soon thereafter, Nanney became immersed in research on *Paramecium aurelia*, the ciliate with which Sonneborn was most closely identified. The Sonneborn lab included an exceptionally talented group of researchers, including John Preer (Sonneborn's first graduate student), Richard Siegel, P.K. Chao, and Ruth Dippell, all of whom went on to notable careers, and the group of experimental ciliatologists grew to include Ko Hiwatashi, Janine Beisson, Renzo Nobili, and Klaus Heckmann, notable figures in the study of *Paramecium* in Japan, France, Italy, and Germany, respectively. James Watson, a Luria student and future Nobel laureate, was another frequent associate.

During Nanney's years a grad student, Indiana was at the center of vigorous debate over the nature of the evolutionary process, with Sonneborn's theory of cytoplasmic inheritance pitted against Muller's "nucleic hegemony." Nanney's contributions to this debate were somewhat unexpected. In his dissertation research on quantitative differences in kappa particles between two mating types in *Paramecium*, he concluded that some form of epigenetic control system (to use a term that would not be coined until several years later), rather than cytoplasmic inheritance, was at work in regulating activity states in nucleic information. Reluctantly, and graciously, Sonneborn agreed. The resulting paper on epigenetic control systems, one of the first significant contributions of his career, earned Nanney a place in *Proceedings of the National Academy of Science*. Sonneborn, without doubt, was the most significant influence on Nanney's career, not only serving as his entry point into the field, but as a mentor, sounding board, and model on whom to build a research career.

Shortly after receiving his doctorate in June 1951, Nanney married Jean Kelly, a graduate student in piano and reviewed his career options. Though tempted by the offer of a National Research Council Postdoctoral Fellowship to work with Max Delbruck at CalTech and delve into phage genetics, Nanney declined in favor of a permanent position in the Department of Zoology at the University of Michigan, and shortly after his wedding, he packed up and moved.

By 1952, Nanney was searching for a new organism to develop into a model for genetic research, and through a colleague, Del Elliott, he began to work with *Tetrahymena*, the organism with he remained most closely associated throughout the rest of his



Tracy M. Sonneborn

career. His early research centered on the isolation of mating types, cytological studies of conjugation, and the genetics of mating type differentiation, laying the sort of solid foundation that has made *Tetrahymena* a model. He did, however, feel somewhat isolated in Michigan, sharing little with his colleagues, with Sonneborn continuing to serve as his primary scientific ally and critic. At Michigan, Nanney also became interested in reforming undergraduate biological education to keep pace with rapid developments in the field. His ideas for curricular reform at Michigan, however, were consistently thwarted by what he saw as an ossified system. In this aspect, too, Michigan seemed less than an ideal match.

When his first sabbatical cycle rolled around in 1958, Nanney was forced to turn down a Fulbright Fellowship to work with Boris Ephrussi in Paris (fearing that it would make him eligible for the draft), but he returned to thoughts of CalTech, and received funds to spend a year working there with Ray Owen. Removed from Ann Arbor, Nanney's frustrations with the pace of curricular reform reached a head, and when offered a position at the University of Illinois, where the varied departments that dealt with biology had recently been consolidated into a new School of Life Sciences (SOLS), he jumped. The presence of Luria, Marcus Rhoads, and Sol Spiegelman sweetened the deal.

Nanney's arrival at Illinois coincided with the major upsurge of support for science education in the wake of Sputnik and the Cold War, giving him an opportunity to act upon his curricular ideas. The National Science Foundation provided significant funding for Illinois to re-emphasize the undergraduate laboratory experience, stressing a model curriculum built around the "mantra" of the Cell, the Organism, and the Population. While the Illinois project never became the model for others to follow as it was intended, the new curriculum was adopted by the honors program in SOLS and was considered a long-term success. In addition to his curricular work at Illinois, Nanney also served as a member of the Biological Sciences Curriculum Study group, which resulted in the publication of his widely-adopted textbook *The Biology of Cells*.

With the rapid evolution of the life sciences since the 1960s, reorganizations of the schools and departments became increasingly necessary, and increasingly common. Nanney was involved in several later initiatives to reformulate biological instruction at the university and reorganize the school, taking part in a systematic study of how SOLS faculty related to one another in theory and practice. The result was a series of departmental realignments and reorganizations. Returning from a Humboldt Fellowship in Munster, Germany, in 1984, Nanney discovered that his department, then called Genetics and Development, had actually been disbanded. Rather than return to the reorganizational fray, he accepted an opportunity to join the interdisciplinary Center for Advanced Studies, which eventually spawned a Science and Technology Studies program in which Nanney was active. Nanney has subsequently written at length about the history of protistology, Sonneborn, ciliate genetics, and evolutionary biology.

In Illinois, Nanney built an active research program in *Tetrahymena*. From the analysis of cortical pattern during the 1960s and 1970s, he and his lab studied genic control, cortical variation and the constancy that "lurks behind this variation," and by the 1970s, he and his students Dennis Borden and Elizabeth Miller, along a colleague Greg Whitt, began work on isozymes to sort out species in *Tetrahymena*. The precision he was able to bring in distinguishing strains paved the way for valuable work in the study of molecular evolution, including his later work comparing RNA sequences. Nanney's publications contributed to a growing debate over the rates of phenotypic versus molecular evolution, with Nanney arguing that in ciliates, at least, evolution at the molecular and morphological levels are relatively uncoupled.

During his career, Nanney served on editorial boards of several journals, including the *Journal of Experimental Zoology*, *Developmental Genetics*, *Journal of Protozoology*, *American Naturalist*, and *Evolution*, and he was active in a number of professional organizations, including the American Genetic Association (president, 1982), Genetics Society of America, Society of Protozoologists, and the International Society for Evolutionary Protistology. Nanney passed away at the age of 90 on June 4, 2016.

## Scope of collection

The papers of David Nanney offer thorough documentation of the career of an innovative experimental ciliatologist and one of the key figures in the development of *Tetrahymena* as a model organism for genetic and evolutionary study. Featuring extensive and valuable scientific exchanges with Sally Allen, John O. Corliss, Joseph Frankel, Nicola Ricci, and Dick Siegel, among others, but most importantly with his adviser and friend, Tracy Sonneborn, the correspondence is a rich resource for study of laboratory culture, the molecularization of the biology, *Tetrahymena* studies, the vicissitudes of academic culture, and shifts in biological education.

The long-running professional debates in the post-Sputnik era regarding biological education play out in a series of reports and exchanges of memoranda regarding the structure (and restructuring) of the School of Life Sciences at the University of Illinois. Having long had an interest in improving undergraduate education, Nanney was deeply invested in the organizational structure of biological sciences during the 1970s into the early 1980s and kept files on the debates raging at the University.

Among other highlights in the collection are two intellectual autobiographies by Nanney, recounting his personal introduction to ciliate research, his connections with Sonneborn, Muller, Luria, and Watson at Indiana, and his subsequent career at Illinois.

## Series descriptions

## Series 1. Correspondence

1950-2008

10 boxes

Beginning in the late stages of his doctoral research, the correspondence in Series 1 offers a remarkably dense, sustained perspective on the research life of a significant protistologist.

After Sonneborn's death in 1981, Nanney was called upon both to write and collect memoirs to commemorate the life and scientific contributions of one of the great geneticists of the mid-century. In addition to the extensive and valuable correspondence between Nanney and Sonneborn, the series includes correspondence with a number of other geneticists and protistologists who contributed to a commemorative volume on Sonneborn. Furthermore, the collection includes correspondence with Sonneborn's son David, his wife Ruth, and daughter Joan Smith-Sonneborn.

## Series 2. Teaching and Writing

1946-2008

3 boxes

Although the series does not by any means include a complete run of Nanney's publications, it does include several of his key publications, a relatively good representation of his writing on the history of science, drafts of a handful of lectures, and records of grants that help flesh out the evolution of his career and his thoughts on his discipline.

The relatively large quantity of material pertaining to the University of Illinois includes some routine paperwork, but consists largely of an interesting set of correspondence, notes, and memos relating to several administrative efforts in the 1970s and 1980s to reorganize the biological sciences departments at the university to reflect larger shifts in the discipline, and materials relating to parallel efforts to improve undergraduate education, particularly writing, in biology.

# Inventory

## Series 1. Correspondence

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1982

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Allen, Sally  
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Allen, Sally  
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Box 1  
Allen, Sally and Eduardo Orias: Introduction: a tribute to David L. Nanney, an experimental ciliatologist. *Developmental Genetics*  
13  
1992  
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Alliance for Undergraduate Education  
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Alexander, Gordon  
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American Genetic Association. Frank N. Meyer Medal  
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American Institute of Biological Sciences  
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Byers, Thomas J.  
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Cesario, Albert  
1981  
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Chao, Pao Kuo  
1951-1987  
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Chen, Sheng Sheng  
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Chen, T. T.

1950-1966

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Chen, Yueh Tseung

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Cho, Paula

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Clark, Gordon M.

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Clark, William A.

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Cleffmann, Gunther

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Cleland, Ralph E.

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Cohen, Larry W.

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Cold Spring Harbor Laboratory

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Coleman, Annette W.

Undated

Box 2

Collins, Robert L.

1976

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Conference on Extrachromosomal Heredity

1958

Box 2

Confrey, Eugene A.

1965

Box 2

Corliss, John O.

1952-1967

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Corliss, John O.

1973-1979

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Corliss, John O.

1980-1990

Box 2

Corliss, John O.: Selected references on protozoa

1963

Box 2

Creager, Angela N. H.

1988

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Cronkite, Donald L.

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Crow, James F.

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Cutler, Preston  
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Developmental Genetics (Journal)  
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Din, Nanni  
1977  
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Dini, Fernando  
1984-2001  
Box 2

Dippell, Ruth V.  
1956-1982  
Box 2

Dippell, Ruth V.: Memorial resolution... Tracy M. Sonneborn for inclusion in the Faculty Council minutes  
18981  
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Doerder, F. Paul  
1968-1977  
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Doerder, F. Paul  
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Genetics (Journal)  
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Genetics Society of America Conference (Urbana, Ill. : 1986)  
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International Congress of Cell Biology XI  
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1991  
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John Wiley and Sons  
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McKoy, J. Wynne  
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McKoy, J. Wynne: Recombination in *Tetrahymena thermophila* (Dissertation, Univ. of Illinois)  
1976  
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McQuade, A. B.  
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Correspondence with laboratory during sabbatical at the University of Munster

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1981

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21979-2001

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Ohio State University

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Oklahoma Baptist University

1972-1996

Box 6

Oregon State University

1967

Box 6

Orel, V.

1987

Box 6

Orias, Eduardo

1958-1970

Box 6

Orias, Eduardo

1973-1979

Box 6

Orias, Eduardo

1980-1985

Box 6

Osmundsen, John A.

1962

Box 6

Owen, Ray D.

1954-1995

Box 6

Paigen, Kenneth

1963-2005

Box 6

Palmer, Graham A.

1981

Box 6

Palmer, R. R.

1965

Box 6

Pang, Yan Bin

1981-1986

Box 6

Paramecium Conference, 2nd (Bloomington, Ind.)

1951

Box 6

Pardi, C. L.

1986

Box 6

Patterson, David J.

1964-1984

Box 6

Payne, Fernandus

1975

Box 6

Perkins, David D.

1965-1980

Box 6  
Perlman, Bruce S.  
1972

Box 6  
Phelps, Austin  
1954-1956

Box 7  
Phi Kappa Phi  
1967

Box 7  
Phillips, Ruth  
1969-1972

Box 7  
Pierce, James M.  
1973

Box 7  
Portnoy, Stephen  
1980

Box 7  
Preer, John R.  
1952-1995

Box 7  
Preer, John R.: Nomination of Tracy M. Sonneborn for the Nobel Prize  
Undated

Box 7  
Preer, John R.: Tracy Morton Sonneborn, October 19-1905-January 26, 1981  
1981

Box 7  
Preparata, Rose Marie  
1978-1981

Box 7  
Prescott, David  
1980

Box 7  
Quastler, Henry  
1951

Box 7  
Rao, M. V. Narasinha  
1958-1964

Box 7  
Rasmussen, Leif  
1984-1992

Box 7  
Ray, Charles  
1956-1958

Box 7  
Reeve, John N.  
1979

Box 7  
Reissig, Jose L.  
1975-1977

Box 7  
Remondini, David J.  
1980-1986

Box 7  
Rhoades, Marcus  
1985

Box 7  
Ricci, Nicola

1977-1979  
Box 7  
Ricci, Nicola  
1980-1984  
Box 7  
Ricci, Nicola  
1985-2001  
Box 7  
Ricci, Nicola. In memoriam  
2001  
Box 7  
Rice, Stanley  
2001  
Box 7  
Richmond College, CUNY  
1971  
Box 7  
Riley-Kresin, Catherine E.  
1981  
Box 7  
Ringertz, Nils  
1979-1984  
Box 7  
Roberts, Dennis  
Undated  
Box 7  
Roderick, Tom  
1961  
Box 7  
Roman, Herschel L.  
1981  
Box 7  
Roque, Madeline  
1956  
Box 7  
Rotheim, Minna B.  
1981  
Box 7  
Rubin, Harry  
1989  
Box 7  
Rudzinska, Maria A.  
1957  
Box 7  
Russell, Elizabeth S.  
1975  
Box 7  
St. Marys College  
1964  
Box 7  
Salceda, Victor M.  
1981  
Box 7  
Sand, Seaward A.  
1961  
Box 7  
Sangsoda, Siddhichoke  
1976  
Box 7

Sapp, Jan  
1983-1992  
Box 7  
Sargent, M. L.  
Undated  
Box 7  
Satir, Birgit  
1971-1983  
Box 7  
Savard, Edward  
1972  
Box 7  
Schewe, Edgar R.  
1978  
Box 8  
Schloegel, Judy Johns  
1995-1998  
Box 8  
Schloegel, Judy Johns: From anomaly to unification: Tracy Sonneborn and the species problem in protozoa, 1954-1957. *Journal of the History of Biology* 32  
1999  
Box 8  
Schmidt, Helmut  
1986-1996  
Box 8  
Schmitt, Gail K./  
2001  
Box 8  
Schull, William J.  
1982  
Box 8  
Schulmann, Murray  
1963  
Box 8  
Schuster, Frederick L.  
1969  
Box 8  
Schwartz, Viktor  
1979  
Box 8  
Serre, Arlette  
1961  
Box 8  
Seyfert, Hans-Martin  
1976-1978  
Box 8  
Seyfert, Hans-Martin  
1979-1988  
Box 8  
Shi, Xin Bai  
1982  
Box 8  
Shulman, Richard  
1969  
Box 8  
Siegel, Richard  
1960-1981  
Box 8  
Siegel, Richard

1997-2006  
Box 8  
Siegel, Richard: A personal panegyric (on the life of Tracy M. Sonneborn)  
1981  
Box 8  
Silverman, Paul H.  
1965  
Box 8  
Simon, Ellen M.  
1973-1988  
Box 8  
Simon, Ellen M. et al.: The *Tetrahymena pyriformis* complex of cryptic species  
2006  
Box 8  
Slater, Donal W.  
1970-1971  
Box 8  
Small, Eugene B.  
1965  
Box 8  
Smith, Hobart  
1969  
Box 8  
Smith-Sonneborn, Joan  
1980-1983  
Box 8  
Smithies, Oliver  
1975  
Box 8  
Snell, William J.  
1969-2005  
Box 8  
Society of Protozoologists  
1962-1988  
Box 8  
Sogin, Mitchell  
1985  
Box 8  
Soldo, Anthony T.  
1976  
Box 8  
Sonneborn, David  
1972-1983  
Box 8  
Sonneborn, Ruth  
1982  
Box 8  
Sonneborn, Tracy M.  
1951-1952  
Box 8  
Sonneborn, Tracy M.  
1953  
Box 8  
Sonneborn, Tracy M.  
1954  
Box 8  
Sonneborn, Tracy M.  
1955  
Box 8

Sonneborn, Tracy M.  
1956  
Box 8

Sonneborn, Tracy M.  
1957  
Box 8

Sonneborn, Tracy M.  
1958-1959  
Box 8

Sonneborn, Tracy M.  
1960-1964  
Box 8

Sonneborn, Tracy M.  
1965-1967  
Box 9

Sonneborn, Tracy M.  
1968-1970  
Box 9

Sonneborn, Tracy M.  
1971-1973  
Box 9

Sonneborn, Tracy M.  
1974  
Box 9

Sonneborn, Tracy M.  
1975-1977  
Box 9

Sonneborn, Tracy M.  
1978-1980  
Box 9

Sonneborn, Tracy M.: Autobiography (2)  
Undated  
Box 9

Sonneborn, Tracy M. Biographical  
1978-1981  
Box 9

Sonneborn, Tracy M. Biographical: A la memoire de Tracy M. Sonneborn, by Jean-Michel Labouygues  
1981  
Box 9

Sonneborn, Tracy M. Biographical: Annual Review of Genetics (correspondence)  
1981  
Box 9

Sonneborn, Tracy M. Biographical: Biographical Memoirs of Fellows of the Royal Society, by G. H. Beale  
ca.1981  
Box 9

Sonneborn, Tracy M. Biographical: Developmental Genetics  
ca.1981  
Box 9

Sonneborn, Tracy M. Biographical notes and drafts  
ca.1981  
Box 9

Sonneborn, Tracy M. Biographical: Yearbook of the American Philosophical Society, by Bentley Glass  
1982  
Box 9

Sonneborn, Tracy M.: Ethical issues arising from the possible uses of genetic knowledge  
1973  
Box 9

Sonneborn, Tracy M. : Genetics and man's vision, *Proceedings of the American Philosophical Society* 109, 4  
1965



Box 9

Sonneborn, Tracy M. Honorary degree presentation, University of Munster, by Klaus Heckmann

1979

Box 9

Sonneborn, Tracy M. : Implications of the new genetics for biology and man,  *AIS Bulletin* 13, 2

1963

Box 9

Sonneborn, Tracy M. : My intellectual history in relation to my contributions to science

1978

Box 9

Sonneborn, Tracy M. Remarks of Lee Sonneborn, Gros Louis, James Ebert, John R. PReer, and David Sonneborn

1981

Box 9

Sonneborn, Tracy M. Sonneborn Bibliography

ca.1980

Box 9

Spiegelman, George B.

1966

Box 9

Stadler, David R.

1973

Box 9

Stahl, Franklin

1983

Box 9

Stebbins, G. Ledyard

1978

Box 9

Steffensen, Dale M.

1982

Box 9

Stern, Curt

1969

Box 9

Stern, Herbert

1966

Box 9

Stocum, David

1979

Box 9

Streisinger, George

1983

Box 9

Strick, James

2001-2002

Box 9

Sturtevant, A. H.

1957

Box 9

Suhr-Jessen, Peter B.

1983-1984

Box 9

Suzuki, David

1981

Box 9

Tan, C. C.

1982

Box 10

Tarr, George E.

1974  
Box 10  
Tartar, Vance  
1969-1975  
Box 10  
Taylor, Sandra  
2001  
Box 10  
Temple University  
1966  
Box 10  
Tepe, William  
1964  
Box 10  
Tetrahymena News  
1972-1974  
Box 10  
Thompson, Guy A.  
1978  
Box 10  
Tiedtke, Arno  
1989  
Box 10  
Tohutski, Linda  
1979  
Box 10  
Trends in Genetics  
1984-1990  
Box 10  
Uhlenhopp, Elliott L.  
1978  
Box 10  
University of California Davis  
1969  
Box 10  
University of Iowa  
1963  
Box 10  
University of Toronto  
1981  
Box 10  
Uzzell, Thomas  
2001-2005  
Box 10  
Van Bell, Craig  
1984-1986  
Box 10  
Van der Kloot, William G.  
1981-1982  
Box 10  
Villiers, T. A.  
1965  
Box 10  
Viterbo College  
1969  
Box 10  
Viza, Dimitri  
1978-1979  
Box 10

W. W. Norton  
1975  
Box 10  
Wahls, Wayne  
1982-1991  
Box 10  
Wallace, Bruce  
1975  
Box 10  
Washburn, Jan O.  
1991  
Box 10  
Waterman, Talbot H.  
1961  
Box 10  
Watson, James D.  
1968-1992  
Box 10  
Watson, M. R.  
1963  
Box 10  
Wee, Beth  
1985  
Box 10  
Wells, Carolyn  
1961  
Box 10  
Weindruch, Rick  
1973-1982  
Box 10  
Weir, Morton W.  
1978  
Box 10  
Wellnitz, Bill  
1971  
Box 10  
Whitt, Gregory S.  
1969-1986  
Box 10  
Who's Who in America  
1981  
Box 10  
Wiggenhorn, Anthony W.  
1969  
Box 10  
Williams, Norman E.  
1965  
Box 10  
Willis, Judy  
1969-1984  
Box 10  
Wilson, Katherine S.  
1966-1998  
Box 10  
Wilson, Rob  
1998-2005  
Box 10  
Woese, Carl  
1969-1973

Box 10  
Woodard, John  
1962  
Box 10  
Woods Hole Marine Biological Laboratory  
1966-1989  
Box 10  
Yao, Meng Chao  
1980-1982  
Box 10  
Zieg, R. G.  
1972  
Box 10  
Ziegler, Bonnie  
Undated  
Box 10  
Zuckerkindl, Emil  
1988  
Box 10  
Unidentified recipients  
1970-1989  
Box 10  
Series 2. Teaching and Writing  
1948-2008  
3 boxes  
Conferences  
1969-1989  
Box 11  
Nanney, David L.: Academic profile  
1988  
Box 11  
Nanney, David L.: Apologia vitae [autobiography]  
1983  
Box 11  
Nanney, David L.: Bibliography  
1976  
Box 11  
Nanney, David L.: Biographical  
Box 11  
Nanney, David L.: Book reviews  
1978-1996  
Box 11  
Nanney, David L.: Candide in academe [autobiography]  
2000  
Box 11  
Nanney, David L.: Candide in academe meets Tracy agonistes [autobiography]  
2004  
Box 11  
Nanney, David L.: The cell, the organism, the population: reflections on a career experienced  
1986  
Box 11  
Nanney, David L.: Charging windmills [autobiography]  
2005  
Box 11  
Nanney, David L.: Correspondence with publishers  
1958-1999  
Box 11  
Nanney, David L.: Cortical patterns in cellular morphogenesis *Science* 160  
1968

Box 11  
Nanney, David L.: Cytogenes and cytotaxis  
1966  
Box 11  
Woods Hole evening lecture series

Nanney, David L.: *Developmental Genetics* 13, 1-3 [festschrift numbers]  
1992  
Box 11  
Nanney, David L.: Disciplinary strategies of genetics: a revisionist history  
1986  
Box 11  
Nanney, David L.: Drafts of articles  
Undated  
Box 11  
Nanney, David L.: Epigenetic factors affecting mating type expression in certain ciliates  
1958  
Box 11  
"Drafts of presentation on epigenetics near the time of the PNAS paper"

Nanney, David L.: *Experimental Ciliatology*: correspondence and reviews  
1980-1981  
Box 11  
Nanney, David L.: Frontier connections [manuscript]  
1994  
Box 11  
Read at University of Pisa, Oct. 4, 1994, in return for an honorary degree (honoris causa). Published with minimal changes in  
*Rev. Soc. Mex. Hist. Nat.* 47: 201-216.

Nanney, David L.: Frontier connections, *Rev. Soc. Mex. Hist. Nat.* 47: 201-216  
1997  
Box 11  
Nanney, David L.: Genetic studies of *Paramecium aurelia*. Dissertation, Indiana University  
1951  
Box 11  
Nanney, David L.: Grants  
1960-1969  
Box 11  
Nanney, David L.: Grants  
1971-1978  
Box 12  
Nanney, David L.: Grants  
1982-1988  
Box 12  
Nanney, David L.: Grants  
1990-1994  
Box 12  
Nanney, David L.: Historical perspectives in *Tetrahymena* genetics  
1982  
Box 12  
Appendix to an NIH grant application

Nanney, David L.: I rapporti con la frontiera [Frontier connections]  
1994  
Box 12  
Lecture on receipt of honorary degree from University of Pisa

Nanney, David L.: Innocents abroad  
1985  
Box 12

"Faculty report on tenure of preistrager sojourn to Europe, hosted by Klaus Heckmann in Munster, Germany, with side trips to Italy and Poland. Plus sabbatical report to Dept. of Genetics and Development"

Nanney, David L. Job offers

1965-1982

Box 12

Nanney, David L.: Lectures and lecture notes

1984, Undated

Box 12

Nanney, David L.: Ciliate systematics Part I: Varieties, syngens, and cryptic species (incomplete)

Undated

Box 12

Nanney, David L.: Ciliate systematics Part II: Approaches to tetrahymenid evolution

Undated

Box 12

Nanney, David L.: The domestication of *Tetrahymena*

Undated

Box 12

Nanney, David L.: Evolutionary genetics of the ciliates

Undated

Box 12

Nanney, David L.: Organisms are technologies too

Undated

Box 12

Nanney, David L.: Why study ciliates (incomplete)

1984

Box 12

Munster lecture

Nanney, David L.: Organistic technology

Undated

Box 12

Nanney, David L.: Notes: Ciliates, why?

Undated

Box 12

Nanney, David L.: Notes: The time of ciliate origins (incomplete)

Undated

Box 12

Nanney, David L.: Notes on *Tetrahymena*

Undated

Box 12

Nanney, David L.: Metaphor and mechanism: epigenetic control systems reconsidered

1989

Box 12

Original paper presented at symposium on "The epigenetics of cell transformation and tumor development"

Nanney, David L.: Nanney clan reunion

1995

Box 12

"Account of a trip made by David and Jean Nanney to Dolgellan, Wales, in 1980s, but written up later"

Nanney, David L.: Night thoughts, the confessions of a manic depressive

1946

Box 12

Nanney, David L.: Notes

1960s?

Box 12

Nanney, David L.: Nucleo-cytoplasmic interaction during conjugation in *Tetrahymena*. *Biological Bulletin* 105

1953

Box 12

Nanney, David L.: On nocodazole

Undated

Box 12

Nanney, David L.: On winning in science *BioScience* 32, 3

1982

Box 12

Nanney, David L.: Personal

1955-1957

Box 12

Nanney, David L.: The radiation of eukaryotic protists: string analysis of 5S ribosomal sequences, with Chaeryung Park and Ellen M. Simon

1994

Box 12

Nanney, David L.: Research reports

1981-1986

Box 12

Nanney, David L.: Retirement scrapbook 1

1991

Box 12

Nanney, David L.: Retirement scrapbook 2

1991

Box 13

Nanney, David L.: Reviews of articles and grant applications

1965-1996

Box 13

Nanney, David L.: Sabbaticals

1973-1985

Box 13

Nanney, David L.: Shifting ditypic site analysis: heuristics for expanding the phylogenetic range of nucleotide sequences, with Rose Marie Preparata, E. B. Meyer and Ellen M. Simon

1987-1988

Box 13

Nanney, David L.: String analysis of eukaryotic evolution [grant application Department of Health and Human Services]

1994

Box 13

Nanney, David L.: *Tetrahymena* genetics at Illinois

Undated

Box 13

Nanney, David L.: Tracy agonistes: personal interactions: footnotes to a biography of T. M. Sonneborn

1982

Box 13

Photographs

1955-1957

Box 13

Gordon Research Conference: Molecular Biology of ciliated protozoa, Laconia, N.H.: Group shot of participants

1989

Box 13



ISEP 7 [International Society for Evolutionary Protistology, 7th Conference, London, England]: Group shot of participants

1987

Box 13



Sonneborn, Tracy M., standing in laboratory, photo by Dellenback  
ca.1970s  
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Box 13



Sonneborn, Tracy M., seated at desk  
ca.1970s  
3 black and white prints  
Box 13  
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Sonneborn, Tracy M. and wife  
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Box 13



Ricci, Nicola, with tulip in his teeth  
1980s  
Color print



Box 13



University of Illinois: Economic realities and ecological strategies. Presentation to the Priorities Committee

1988

Box 13

University of Illinois: Administrative

1969-1992

Box 13

University of Illinois: Appointment to faculty

1959

Box 13

University of Illinois. Department of Genetics and Development

1974-1988

Box 13

University of Illinois. Faculty Advisory Committee

1987-1988

Box 13

University of Illinois. School of Life Sciences

1972-1988

Box 13

University of Illinois. School of Life Sciences academic history, by David L. Nanney

1982

Box 13

University of Illinois: Undergraduate education

1961-1992

Box 13

University of Illinois: An undergraduate laboratory teaching facility

ca.1962

Box 13

---

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### Related Material

SCUA houses the papers of several other protistologists, including Nanney's correspondents Lea Bleyman, Seymour Hutner, and Greg Antippa.

The papers of Nanney's dissertation supervisor, mentor, friend, and colleague, Tracy M. Sonneborn are housed in the Lilly Library, Indiana University.

## Bibliography

Biographical and autobiographical works on Nanney, see:

Allen, Sally and Eduardo Orias, "A Tribute to David L. Nanney, An Experimental Ciliatologist," *Developmental Genetics* 13 (1992).  
Doerder, F. Paul and Joseph Frankel, "In memoriam: David L. Nanney (1925-2016)," *Journal of Eukaryotic Microbiology* 64 (2017): 135-139.

Nanney, David L., *Candide in academe meets Tracy Agonistes: a memoir of the morning of molecular biology: coming of age in Bloomington, 1946-1952*. (2004). Viewed July 17, 2009.

Nanney, David L., *Tilting at windmills: educational misadventures in the Big Ten*. (2006). Viewed July 17, 2009.

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## Search terms

### Subjects

Developmental biology.

Evolution (Biology).

Protozoans--Genetics.

Tetrahymena--Genetics.

### Contributors

Nanney, David Ledbetter, 1925- **[main entry]**

Nanney, David Ledbetter, 1925- .

Allen, Sally.

Bleyman, Lea K.

Corliss, John O.

Frankel, Joseph, 1935- .

Kaczanowski, Andrzej.

McKoy, J. Wynne.

Nyberg, Dennis Wayne, 1944- .

Orias, Eduardo.

Ricci, Nicola.

Siegel, Richard.

Sonneborn, T. M. (Tracy Morton), 1905- .

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