

Baylor University . The Texas Collection

Gordon Kidd Teal Papers. Inclusive: 1919-1990, undated, Bulk: 1950-1970, undated

Summary Information

Creator	Teal, Dr. Gordon Kidd, 1907 - 2003
Extent (quantity/size)	21 document boxes and 1 oversized box
Language	Chinese; English; German; Italian; Japanese; Russian
Abstract	The Gordon Kidd Teal Papers consist of school materials, personal materials, professional materials, and awards accumulated by Dr. Gordon Kidd Teal, a famous twentieth century scientist who graduated from Baylor University in 1927.

Subjects

Baylor University – Alumni and alumnae. / Bell Telephone Laboratories, Inc. / Germanium. / Institute of Radio Engineers. / Scientists – United States. / Silicon. / Teal, Gordon Kidd, 1907-2003. / Texas Academy of Science / Texas Instruments Incorporated / Transistors.

Administrative Information

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Originals/Copies Mx of some originals and some copies

Preferred Citation When quoting material from this collection, the preferred citation is:

Gordon Kidd Teal Papers, Accession # 3820, Box #, Folder #, The Texas Collection, Baylor University.

Processing Information Described by Thomas DeShong and released on 2012-11-26.

Scope and Content

The Gordon Kidd Teal Papers were acquired in two different accessions. The primary gift was given by Gordon's son Donald Teal on 2002 February 7. There were five banker boxes full of materials. The second accession was a transfer from the President's Office in 1981. This collection, formerly entitled BU Records: Board of Trustees, Gordon Kidd Teal, (BU/0182) has been integrated into Teal's personal papers.

The materials found in this collection span from 1919 until 1990. Series I. School Work consists of various notebooks and reports created by Teal during his studies at Baylor University and Brown University. Series II. Personal contains biographical materials collected by Teal and others. Series III. Professional Work, by far the largest series in the collection, consists of materials from Teal's positions at Bell Telephone Laboratories and Texas Instruments as well as his research interests and involvements in scientific organizations. The final series consists of awards and certificates awarded to Teal throughout his life.

Administrative/Biographical History

Gordon Kidd Teal remains one of the most under-studied yet influential American inventors of the twentieth century. He was born in Dallas, Texas, on 1907 January 10, to Olin Allison and Azelia Clyde Kidd Teal. Gordon excelled in academics from an early age and graduated as valedictorian of Bryan Street High School in 1924.

For the next few years, Teal attended Baylor University where he continued to do well in academics and sports. Teal served as the President of the Scholarship Society and Latin Club, the Vice President of the Senior Class, a member of the Baylor Chamber of Commerce, and a member of the track team. He graduated from Baylor University in 1927 with a Bachelor of Arts in Mathematics and Chemistry.

Teal continued his education at Brown University where he earned his Master's degree (1928) and his Ph.D. in Chemistry (1931). Under the tutelage of Dr. Charles Kraus, Teal examined the chemical and electric properties of germanium, which to that point had been deemed relatively useless by most scientists. On 1931 March 7, Teal married Lyda Louise Smith with whom he had three sons: Robert Carroll, Donald Fraser, and Stephen O'Banion Teal.

As early as 1930, Teal had begun his productive scientific career at Bell Telephone Laboratories. For the next twenty-two years, Teal made one scientific discovery after another. He perfected the growth of high purity single crystal germanium and silicon, co-developed the junction transistor, created the grown junction single crystal technique, and secured approximately forty-five patents. In 1952, Teal moved back to Texas when a position opened at Texas Instruments.

In 1953, Gordon Teal was hired as an Assistant Vice President at Texas Instruments. Arguably his greatest invention, the first commercial silicon transistor (1954), launched Texas Instruments into a period of unprecedented success. The military, astronomical, and commercial implications for such a transistor were limitless and resulted in many of the innovative technologies our society enjoys today. Teal worked at Texas Instruments until 1965 when he was appointed the first Director of the Institute for Materials Research at the National Bureau of Standards. He served a two-year term, and then returned to Texas Instruments where he remained until retirement in 1972.

Retirement, however, did not mean idleness for Gordon Teal. Along with his numerous awards and honorary degrees, Teal continued to serve as a consultant for both Texas Instruments and the Department of Defense. Throughout his life, Teal was actively involved in many scientific organizations including the American Association for the Advancement of Science, American Chemical Society, American Institute of Chemists, American Institute of Electrical Engineers, American Physical Society, Council of Scientific and Engineering Societies of Dallas-Fort Worth, Institute of Electrical and Electronic Engineers, Institute of Radio Engineers, and the Texas Academy of Science. Dr. Gordon Teal passed away on 2003 January 7, a few months after his papers were delivered to Baylor University by his

Related Resources

Related citations

"Baylor's Gift to Twentieth Century Scientific Technology." *Baylor Line* Vol. XXVI, No. 5 (September-October 1964): 8-13. [periodical]
Gordon Kidd Teal Papers, Accession #3820, Box #4, Folders #1-4, The Texas Collection, Baylor University.
National Inventors Hall of Fame. "Meet the 2009 National Inventors Hall of Fame Inductees." Available at <http://www.invent.org/2009induction/1309inductionteal.asp> (accessed November 6, 2012).
PBS. "Gordon Teal." Available at <http://www.pbs.org/transistor/album1/addlbios/teal.html> (accessed November 6, 2012).

Archival Arrangement

The initial gift, which was given by Gordon's son Donald Teal on 2002 February 7, was housed in five large banker boxes. There was prior organization, which has been recorded in a folder inventory. However, this organization was unhelpful in some areas, because there were a number of folders with no titles and over two boxes of duplicates.

After being processed, the Gordon Kidd Teal Papers are organized into four series: I. School Work, II. Personal, III. Professional Work, and IV. Awards. In each series, the materials are classified by type.

Series 1: School Work. 1926-1963

Summary Information

Extent (quantity/size) 3 document boxes.

Administrative Information

Originals/Copies Mx of some originals and some copies

Administrative/Biographical History

This series contains notebooks, notes, essays, and reports from Gordon Teal's school work at Baylor University, Brown University, as well as post-doctoral work. The materials are in average to good condition.

Item List

Box 1. Folder 1. School Work: Essay: Gordon Kidd Teal and Charles Kraus: "Compounds of Germanium and Hydrogen", 1931 May
Box 1. Folder 2. School Work: Essays: General (1 of 3), 1932-1963, undated
Box 1. Folder 3. School Work: Essays: General (2 of 3), 1932-1963, undated
Box 1. Folder 4. School Work: Essays: General (3 of 3), 1932-1963, undated
Box 1. Folder 5. School Work: Negative Photostats: Research Notes (1 of 7), undated
Box 1. Folder 6. School Work: Negative Photostats: Research Notes (2 of 7), undated
Box 1. Folder 7. School Work: Negative Photostats: Research Notes (3 of 7), undated
Box 1. Folder 8. School Work: Negative Photostats: Research Notes (4 of 7), undated
Box 1. Folder 9. School Work: Negative Photostats: Research Notes (5 of 7), undated
Box 1. Folder 10. School Work: Negative Photostats: Research Notes (6 of 7), undated
Box 1. Folder 11. School Work: Negative Photostats: Research Notes (7 of 7), undated
Box 1. Folder 12. School Work: Notebook: Chemistry: Ledger, 1928-1929
Box 1. Folder 13. School Work: Notebook: Chemistry: Loose Materials, 1928-1929
Box 1. Folder 14. School Work: Notebook: Gordon Kidd Teal: Baylor University: Chemistry 220, undated
Box 2. Folder 1. School Work: Notebook: Gordon Kidd Teal: Baylor University: Math 262, 1926
Box 2. Folder 2. School Work: Notebook: Gordon Kidd Teal: Theoretical Chemistry I, undated
Box 2. Folder 3. School Work: Notebook: Gordon Kidd Teal: Theoretical Chemistry II, undated
Box 2. Folder 4. School Work: Notebook: "Notes on Statistical Mechanics" (1 of 6), undated
Box 2. Folder 5. School Work: Notebook: "Notes on Statistical Mechanics" (2 of 6), undated
Box 2. Folder 6. School Work: Notebook: "Notes on Statistical Mechanics" (3 of 6), undated
Box 2. Folder 7. School Work: Notebook: "Notes on Statistical Mechanics" (4 of 6), undated
Box 2. Folder 8. School Work: Notebook: "Notes on Statistical Mechanics" (5 of 6), undated
Box 2. Folder 9. School Work: Notebook: "Notes on Statistical Mechanics" (6 of 6), undated
Box 2. Folder 10. School Work: Notebook: "Notes on Statistical Mechanics": Loose Materials (1 of 3), undated
Box 2. Folder 11. School Work: Notebook: "Notes on Statistical Mechanics": Loose Materials (2 of 3), undated
Box 2. Folder 12. School Work: Notebook: "Notes on Statistical Mechanics": Loose Materials (3 of 3), undated
Box 3. Folder 1. School Work: Notes: Chemistry: Handwritten (1 of 13), undated
Box 3. Folder 2. School Work: Notes: Chemistry: Handwritten (2 of 13), undated
Box 3. Folder 3. School Work: Notes: Chemistry: Handwritten (3 of 13), undated
Box 3. Folder 4. School Work: Notes: Chemistry: Handwritten (4 of 13), undated
Box 3. Folder 5. School Work: Notes: Chemistry: Handwritten (5 of 13), undated
Box 3. Folder 6. School Work: Notes: Chemistry: Handwritten (6 of 13), undated
Box 3. Folder 7. School Work: Notes: Chemistry: Handwritten (7 of 13), undated
Box 3. Folder 8. School Work: Notes: Chemistry: Handwritten (8 of 13), undated
Box 3. Folder 9. School Work: Notes: Chemistry: Handwritten (9 of 13), undated
Box 3. Folder 10. School Work: Notes: Chemistry: Handwritten (10 of 13), undated
Box 3. Folder 11. School Work: Notes: Chemistry: Handwritten (11 of 13), undated
Box 3. Folder 12. School Work: Notes: Chemistry: Handwritten (12 of 13), undated
Box 3. Folder 13. School Work: Notes: Chemistry: Handwritten (13 of 13), undated
Box 3. Folder 14. School Work: Notes: Chemistry: Typed (1 of 2), undated
Box 3. Folder 15. School Work: Notes: Chemistry: Typed (2 of 2), undated
Box 3. Folder 16. School Work: Notes: Introduction to Quantum Mechanics, undated
Box 3. Folder 17. School Work: Report: "Theoretical Chemistry" (1 of 4), undated
Box 3. Folder 18. School Work: Report: "Theoretical Chemistry" (2 of 4), undated
Box 3. Folder 19. School Work: Report: "Theoretical Chemistry" (3 of 4), undated
Box 3. Folder 20. School Work: Report: "Theoretical Chemistry" (4 of 4), undated

Series 2: Personal. 1919-1990

Administrative Information

Originals/Copies

Mx of some originals and some copies

Administrative/Biographical History

This small series contains personal materials pertaining to Gordon Teal, particularly biographical materials, outlines of his professional activities, and a Who's Who article. A 53-page biographical summary of Teal's life is of particular importance for anyone hoping to write a biography of Teal. The materials are in average to good condition.

Item List

- Box 4. Folder 1. Personal: Appendices: "Biographical Summary of Gordon K. Teal", undated
- Box 4. Folder 2. Personal: Application: *Who's Who in America*: Gordon Kidd Teal, 1989-1990
- Box 4. Folder 3. Personal: Biographical Materials: Gordon Kidd Teal, undated
- Box 4. Folder 4. Personal: Outline: "Biographical Summary of Gordon K. Teal", 1972 January 28
- Box 4. Folder 5. Personal: Periodical: Baptists: *The Watchman-Examiner*, 1919 May 8
- Box 4. Folder 6. Personal: Summary: Gordon Kidd Teal: "Washington Activities and Accomplishments", 1967 August 7

Series 3: Professional Work. 1919-1984**Summary Information**

Extent (quantity/size) 18 document boxes.

Administrative Information

Originals/Copies Mx of some originals and some copies

Administrative/Biographical History

This series, the largest of the collection, contains a vast array of materials pertaining to Gordon Teal's professional life. Literary productions and correspondence from Teal's positions at Bell Telephone Laboratories, Texas Instruments, and the National Bureau of Standards are prevalent, but the series also contains correspondence and minutes from his involvement in scientific organizations including the Texas Academy of Science, the Institute of Radio Engineers, and the American Institute of Chemists. A number of Teal's notebooks are also included. The materials are in good condition.

Item List

- Box 4. Folder 7. Professional Work: Address: Gordon Kidd Teal: 34th Fellows Lecture: "Chemistry: The Ubiquitous Science", 1973
- Box 4. Folder 8. Professional Work: Address: Gordon Kidd Teal: "Integrating Diversified Technology into Profitable Programs", 1960 January 21
- Box 4. Folder 9. Professional Work: Address: Gordon Kidd Teal: "Introduction of Pat Haggerty", 1969 March 18
- Box 4. Folder 10. Professional Work: Address: Gordon Kidd Teal: "Meeting the Scientific and Technological Needs of Our National Economy", 1957 September 11
- Box 4. Folder 11. Professional Work: Address: Gordon Kidd Teal: "Patterns of Creative Action in a Research Career", 1967 June 15-17
- Box 4. Folder 12. Professional Work: Address: Gordon Kidd Teal: "Reflections Upon Receiving the Medal of Honor", 1968 March 20
- Box 4. Folder 13. Professional Work: Address: Gordon Kidd Teal: SDP Technical Seminar: "Current Research Activity Throughout TI" (1 of 2), 1962 August 14
- Box 4. Folder 14. Professional Work: Address: Gordon Kidd Teal: SDP Technical Seminar: "Current Research Activity Throughout TI" (2 of 2), 1962 August 14
- Box 4. Folder 15. Professional Work: Address: Gordon Kidd Teal: "Solid State Devices, Materials, and Processes - - Past and Future", 1958 June 24
- Box 4. Folder 16. Professional Work: Address: Gordon Kidd Teal: "Summary of the Current State of Research Management", 1968 December 30
- Box 4. Folder 17. Professional Work: Address: Gordon Kidd Teal: Summer Institute: Texas A&M Rough Draft, 1961 June 21
- Box 4. Folder 18. Professional Work: Address: Gordon Kidd Teal: Summer Institute: Texas A&M "Semiconductor Physics, Materials Technology and Devices", 1961 June 22
- Box 4. Folder 19. Professional Work: Address: Gordon Kidd Teal: "Technical Highlights of Texas Instruments, 1952-1962.", 1962 November 12
- Box 4. Folder 20. Professional Work: Address: Gordon Kidd Teal: "Technology and Human Potential", 1970 December 28
- Box 5. Folder 1. Professional Work: Address: Gordon Kidd Teal: "Texas Instruments and Space-Summary", 1962 June 7
- Box 5. Folder 2. Professional Work: Address: Gordon Kidd Teal: "The 25th Anniversary of the Silicon Transistor", 1980 March 17
- Box 5. Folder 3. Professional Work: Address: Gordon Kidd Teal: "The NBS Matter and Materials Data and Standards Program", 1966 October 11
- Box 5. Folder 4. Professional Work: Address: Gordon Kidd Teal: Third Technical Seminar (1 of 2), 1959 October
- Box 5. Folder 5. Professional Work: Address: Gordon Kidd Teal: Third Technical Seminar (2 of 2), 1959 October
- Box 5. Folder 6. Professional Work: Address: Mervin J. Kelly: "The Work and Environment of the Physicist", 1957 May
- Box 5. Folder 7. Professional Work: Address: Patrick Haggerty: "Inflation and the American Standard of Living" (1 of 2), 1970 May 9
- Box 5. Folder 8. Professional Work: Address: Patrick Haggerty: "Inflation and the American Standard of Living" (2 of 2), 1970 May 9
- Box 5. Folder 9. Professional Work: Address: Texas Academy of Science: President Donald Duncan, 1962 November 30
- Box 5. Folder 10. Professional Work: Addresses: Gordon Kidd Teal: General, 1956 October 16- 1962 July 25
- Box 5. Folder 11. Professional Work: Agenda: Taiwan Trip, 1975 August
- Box 5. Folder 12. Professional Work: Agreement: Institute of Radio Engineers: San Francisco and Los Angeles Sections, 1953
- Box 5. Folder 13. Professional Work: Announcements: National Pilot Study of Science and Mathematics, 1961 March 2-10
- Box 5. Folder 14. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards, 1955
- Box 5. Folder 15. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (1 of 4), 1958
- Box 5. Folder 16. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (2 of 4), 1958
- Box 5. Folder 17. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (3 of 4), 1958
- Box 5. Folder 18. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (4 of 4), 1958
- Box 5. Folder 19. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (1 of 3), 1959
- Box 5. Folder 20. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (2 of 3), 1959

Box 5. Folder 21. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (3 of 3), 1959
Box 5. Folder 22. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (1 of 2), 1960
Box 5. Folder 23. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (2 of 2), 1960
Box 6. Folder 1. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (1 of 4), 1961
Box 6. Folder 2. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (2 of 4), 1961
Box 6. Folder 3. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (3 of 4), 1961
Box 6. Folder 4. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (4 of 4), 1961
Box 6. Folder 5. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (1 of 2), 1962
Box 6. Folder 6. Professional Work: Applications: Institute of Radio Engineers: Fellow Awards (2 of 2), 1962
Box 6. Folder 7. Professional Work: Article: Gordon Kidd Teal and George MacWood: "The Raman Spectra of the Isotopic Molecules H₂, HD, and D₂", 1935
Box 6. Folder 8. Professional Work: Article: Gordon Kidd Teal and Harold C. Urey: *Reviews of Modern Physics*: "The Hydrogen Isotope of Atomic Weight Two", 1935 January
Box 6. Folder 9. Professional Work: Article: Gordon Kidd Teal, J.R. Fisher, and A.W. Treptow: "A New Bridge Photo-Cell Employing a Photo-Conductive Effect in Silicon", 1946 November
Box 6. Folder 10. Professional Work: Article: Gordon Kidd Teal, M. Sparks, and E. Buehler: "Single-Crystal Germanium", 1952
Box 6. Folder 11. Professional Work: Article: Gordon Kidd Teal: "Roots of Creative Research", 1967
Box 6. Folder 12. Professional Work: Article: Gordon Kidd Teal: "Single Crystals of Germanium and Silicon- Basic to the Transistor and Integrated Circuit", 1976 July
Box 6. Folder 13. Professional Work: Article: P.P. Debye and E.M. Conwell: *Physical Review*: "Electrical Properties of N-Type Germanium", 1954
Box 6. Folder 14. Professional Work: Article: *Revolution in Miniature*: "A New Industry", undated
Box 6. Folder 15. Professional Work: Article: Richard Petritz: "Contributions of Materials Technology to Semiconductor Devices", 1962
Box 6. Folder 16. Professional Work: Article: *Texins*: "The Transistor and TI", 1953 August
Box 6. Folder 17. Professional Work: Article: *The Baylor Line*: "Baylor's Gift to Twentieth Century Scientific Technology", 1964 September-October
Box 6. Folder 18. Professional Work: Booklet: "Information Booklet on Physics Organizations Abroad", 1962 May
Box 6. Folder 19. Professional Work: Booklet: U.S. Department of Commerce: "Measurement-Pacemaker of American Growth", 1966
Box 6. Folder 20. Professional Work: Brochure: "Finding a World of Oil, Facts About GSI and Its Relation to You", undated
Box 6. Folder 21. Professional Work: Brochure: Sampo Corporation, undated
Box 6. Folder 22. Professional Work: Brochure: Sony Entertainment, undated
Box 6. Folder 23. Professional Work: Brochure: "Travel Insurance Information for Academy Personnel", undated
Box 6. Folder 24. Professional Work: By-Laws: Institute of Radio Engineers: Board of Directors (1 of 2), 1959 April 8
Box 6. Folder 25. Professional Work: By-Laws: Institute of Radio Engineers: Board of Directors (2 of 2), 1959 April 8
Box 7. Folder 1. Professional Work: Citations: Texas Academy of Science (1 of 2), 1961 December 8
Box 7. Folder 2. Professional Work: Citations: Texas Academy of Science (2 of 2), 1961 December 8
Box 7. Folder 3. Professional Work: Clippings: General, 1948 January 29- 1962 December
Box 7. Folder 4. Professional Work: Clippings: General, 1963 February- 1967 April
Box 7. Folder 5. Professional Work: Clippings: General, 1967 May- 1970 September
Box 7. Folder 6. Professional Work: Clippings: General, 1971-1974, undated
Box 7. Folder 7. Professional Work: Clippings: Texas Academy of Science, 1960, undated
Box 7. Folder 8. Professional Work: Correspondence: American Chemical Society, 1952 January 1-1953 October 21
Box 7. Folder 9. Professional Work: Correspondence: American Chemical Society, 1953 October 30- November 16
Box 7. Folder 10. Professional Work: Correspondence: American Chemical Society, 1953 November 19- December 2
Box 7. Folder 11. Professional Work: Correspondence: American Chemical Society, 1953 December 5-27
Box 7. Folder 12. Professional Work: Correspondence: American Chemical Society, 1953 December 28- 1954 January 19
Box 7. Folder 13. Professional Work: Correspondence: American Chemical Society, 1954 January 22- February 10
Box 7. Folder 14. Professional Work: Correspondence: American Chemical Society, 1954 August 5- 1955 May 6
Box 7. Folder 15. Professional Work: Correspondence: American Chemical Society, 1955 September 23- 1956 January 12
Box 7. Folder 16. Professional Work: Correspondence: American Chemical Society, 1956 January 12- February 28
Box 7. Folder 17. Professional Work: Correspondence: American Chemical Society, 1956 March 1-20
Box 7. Folder 18. Professional Work: Correspondence: American Chemical Society, 1956 March 21-29
Box 7. Folder 19. Professional Work: Correspondence: American Chemical Society, 1956 April 2-6
Box 7. Folder 20. Professional Work: Correspondence: American Chemical Society, 1956 April 16- August 17
Box 7. Folder 21. Professional Work: Correspondence: American Chemical Society, 1956 August 23- 1957 March 12
Box 7. Folder 22. Professional Work: Correspondence: American Chemical Society, 1957 April 2- September 4
Box 7. Folder 23. Professional Work: Correspondence: Institute of Radio Engineers: Awards Committee, 1958 May 13- 1960 February 3
Box 7. Folder 24. Professional Work: Correspondence: Institute of Radio Engineers: Awards Committee, 1961 March 10- August 16
Box 7. Folder 25. Professional Work: Correspondence: General, 1937-1938
Box 7. Folder 26. Professional Work: Correspondence: General, 1956-1988
Box 8. Folder 1. Professional Work: Correspondence: Taiwan Trip, 1975 June 10- November 19
Box 8. Folder 2. Professional Work: Correspondence: Texas Academy of Science, 1953 October 12- 1958 March 20
Box 8. Folder 3. Professional Work: Correspondence: Texas Academy of Science, 1958 October 23- 1959 November 10
Box 8. Folder 4. Professional Work: Correspondence: Texas Academy of Science, 1959 December 1- 1960 May 23
Box 8. Folder 5. Professional Work: Correspondence: Texas Academy of Science, 1960 May 23- July 21
Box 8. Folder 6. Professional Work: Correspondence: Texas Academy of Science, 1960 July 21- August 3
Box 8. Folder 7. Professional Work: Correspondence: Texas Academy of Science, 1960 August 8- December 12
Box 8. Folder 8. Professional Work: Correspondence: Texas Academy of Science, 1961 January 30- April 19
Box 8. Folder 9. Professional Work: Correspondence: Texas Academy of Science, 1961 June 5
Box 8. Folder 10. Professional Work: Correspondence: Texas Academy of Science, 1961 November 22- 1962 April 28
Box 8. Folder 11. Professional Work: Correspondence: Texas Instruments, 1954 March 2- 1961 September 6
Box 8. Folder 12. Professional Work: Correspondence: Texas Instruments, 1962 January 10- October 19
Box 8. Folder 13. Professional Work: Correspondence: Texas Instruments, 1962 May 15- 1964 September 28
Box 8. Folder 14. Professional Work: Correspondence: Washington Award: Pat Haggerty, 1968 April 3-May 1
Box 8. Folder 15. Professional Work: Correspondence: Washington Award: Pat Haggerty, 1968 May 4
Box 8. Folder 16. Professional Work: Correspondence: Washington Award: Pat Haggerty, 1968 May 15-20
Box 8. Folder 17. Professional Work: Diagrams: Bell Telephone Laboratories, 1959, undated
Box 8. Folder 18. Professional Work: Directory: Institute of Radio Engineers: Dallas-Fort Worth Members (1 of 2), 1954 December
Box 8. Folder 19. Professional Work: Directory: Institute of Radio Engineers: Dallas-Fort Worth Members (2 of 2), 1954 December

Box 8. Folder 20. Professional Work: Directory: Texas Academy of Science Membership, undated
Box 8. Folder 21. Professional Work: Directory: *The Capital Chemist*, 1965 September
Box 8. Folder 22. Professional Work: Draft: Article: *Direction*: Gordon Kidd Teal, 1960
Box 8. Folder 23. Professional Work: Draft: Texas Instruments, Incorporated: "Comments on and Statement of TI General Policy on Research, Development, and Engineering", 1961
Box 8. Folder 24. Professional Work: Essay: "Background Memorandum on the Transistor", 1951 October
Box 8. Folder 25. Professional Work: Essay: I.G. Cressell and J.A. Powell: "The Production of High-Quality Germanium Single Crystals.", 1957
Box 8. Folder 26. Professional Work: Essay: J.A. Becker, C.B. Green, and G.L. Pearson: "Properties and Uses of Thermistors", 1946
Box 9. Folder 1. Professional Work: Essay: Gordon Kidd Teal: "How the Next Decade of Electronics Will Affect the Average American", 1969 November 17
Box 9. Folder 2. Professional Work: Essay: Gordon Kidd Teal: "The Role of Materials in the Electronics World of 2012 A.D.", 1962 May
Box 9. Folder 3. Professional Work: Essay: "Some Comments on Certain Aspects of G.K. Teal's Contribution to Transistor Electronics", undated
Box 9. Folder 4. Professional Work: Essay: "The Chemical Bond": Part 1, undated
Box 9. Folder 5. Professional Work: Essay: "The Chemical Bond": Part 2, undated
Box 9. Folder 6. Professional Work: Essay: "The Chemical Bond": Part 3 (1 of 4), undated
Box 9. Folder 7. Professional Work: Essay: "The Chemical Bond": Part 3 (2 of 4), undated
Box 9. Folder 8. Professional Work: Essay: "The Chemical Bond": Part 3 (3 of 4), undated
Box 9. Folder 9. Professional Work: Essay: "The Chemical Bond": Part 3 (4 of 4), undated
Box 9. Folder 10. Professional Work: Essay: "The Chemical Bond": Notes (1 of 3), undated
Box 9. Folder 11. Professional Work: Essay: "The Chemical Bond": Notes (2 of 3), undated
Box 9. Folder 12. Professional Work: Essay: "The Chemical Bond": Notes (3 of 3), undated
Box 9. Folder 13. Professional Work: Essay: W. Shockley: "Crystals, Electronics, and Man's Conquest of Nature", undated
Box 9. Folder 14. Professional Work: Essays: General, 1950 August 15- 1955 December
Box 9. Folder 15. Professional Work: Essays: General, 1958-1961
Box 9. Folder 16. Professional Work: Essays: General, 1961 March 29- 1968 May
Box 9. Folder 17. Professional Work: Essays: General, 1975 January-1984
Box 9. Folder 18. Professional Work: Essays: General (1 of 4), undated
Box 9. Folder 19. Professional Work: Essays: General (2 of 4), undated
Box 9. Folder 20. Professional Work: Essays: General (3 of 4), undated
Box 9. Folder 21. Professional Work: Essays: General (4 of 4), undated
Box 9. Folder 22. Professional Work: Financial Documents: Texas Instruments: Five Year Plan, 1958-1962
Box 9. Folder 23. Professional Work: Guide: Texas Instruments, Incorporated: Frequently Asked Questions, 1960
Box 9. Folder 24. Professional Work: Handbook: North Atlantic Treaty Organization, 1960
Box 9. Folder 25. Professional Work: List: Brown University Alumni: Department of Chemistry, 1936 March 23
Box 10. Folder 1. Professional Work: List: Institute of Radio Engineers: Fellows (1 of 2), 1962 July 25
Box 10. Folder 2. Professional Work: List: Institute of Radio Engineers: Fellows (2 of 2), 1962 July 25
Box 10. Folder 3. Professional Work: List: Invitations: National Institute of Radio Engineers Show, undated
Box 10. Folder 4. Professional Work: List: Texas Academy of Science: Ballots, 1958-1961
Box 10. Folder 5. Professional Work: List: Texas Academy of Science: Fellows, 1945-1958
Box 10. Folder 6. Professional Work: List: Texas Academy of Science: General, 1960, undated
Box 10. Folder 7. Professional Work: List: Texas Academy of Science: Members, 1957 October
Box 10. Folder 8. Professional Work: List: Texas Academy of Science: Officers, 1949-1961
Box 10. Folder 9. Professional Work: List: Texas Academy of Science: Officers, 1958-1959
Box 10. Folder 10. Professional Work: List: Texas Academy of Science: Officers, undated
Box 10. Folder 11. Professional Work: Manuscript: Gordon Kidd Teal: "Single Crystals of Germanium and Silicon-Basic to the Transistor and Integrated Circuit" (1 of 2), 1976 March 15
Box 10. Folder 12. Professional Work: Manuscript: Gordon Kidd Teal: "Single Crystals of Germanium and Silicon-Basic to the Transistor and Integrated Circuit" (2 of 2), 1976 March 15
Box 10. Folder 13. Professional Work: Memorandum: Taiwan Trip, 1975 May 23
Box 10. Folder 14. Professional Work: Memorandum: Texas Instruments: Gordon Kidd Teal: "Proposed Technical Action Plan for TI-International", 1962 November 23
Box 10. Folder 15. Professional Work: Memorandums: Institute of Radio Engineers: Awards Committee, 1958 April 23- 1961 November 22
Box 10. Folder 16. Professional Work: Memorandums: Texas Academy of Science, 1953 May 23- 1960 November 18
Box 10. Folder 17. Professional Work: Memorandums: Texas Academy of Science, 1960 November 21
Box 10. Folder 18. Professional Work: Memorandums: Texas Academy of Science, 1960 November 30- 1961 December 10
Box 10. Folder 19. Professional Work: Memorandums: Texas Instruments: General, 1958 July 30- 1960 March 9
Box 10. Folder 20. Professional Work: Memorandums: Texas Instruments: General, 1960 April 13- 1961 March 30
Box 10. Folder 21. Professional Work: Memorandums: Texas Instruments: General, 1961 May 19- June 22
Box 10. Folder 22. Professional Work: Memorandums: Texas Instruments: General, 1961 June 22- July 31
Box 10. Folder 23. Professional Work: Memorandums: Texas Instruments: General, 1961 August 30- October 25
Box 10. Folder 24. Professional Work: Memorandums: Texas Instruments: General, 1961 November 1- December 11
Box 11. Folder 1. Professional Work: Memorandums: Texas Instruments: General, 1961 December 19-29
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Series 4: Awards. 1959-1990

Summary Information

Extent (quantity/size) One document box and one oversized box

Administrative Information

Originals/Copies Mix of some originals and some copies

Administrative/Biographical History

This series contains correspondence, certificates, diplomas, and plaques concerning awards that Dr. Gordon Teal and his wife Lyda accumulated over the years from organizations like Baylor University and the Institute of Electrical and Electronics Engineers. The materials are in excellent condition and have been wrapped in tissue paper for preservation purposes.

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