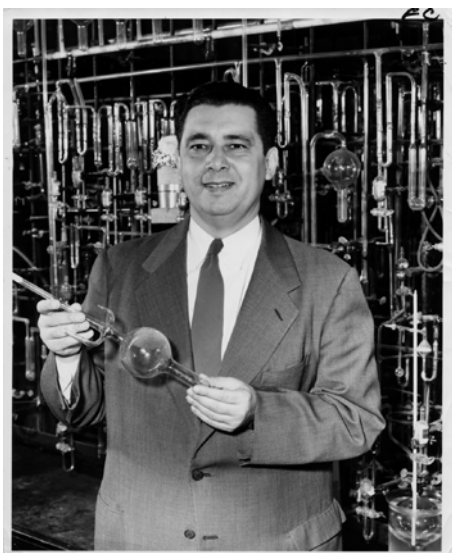


PURDUE

UNIVERSITY



INVENTORY TO THE HERBERT C. BROWN PAPERS, 1928-2005

**Purdue University Libraries
Karnes Archives and Special Collections
504 West State Street
West Lafayette, Indiana 47907-2058
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Compiled by: Margaret S. Morris, 2008
Revised by: Elizabeth M. Wilkinson: July 2008, May 2012, December 2012; Neal
Harmeyer, January 2020

Descriptive Summary

Creator Information	Brown, Herbert C., 1912 –2004
Title	Herbert C. Brown papers
Collection Identifier	MSF 4
Date Span	1928-2005, predominant 1940s–1990s
Abstract	Business and personal papers of Herbert C. Brown, educator, chemist, and recipient of the 1979 Nobel Prize for Chemistry
Extent	420 cubic feet (448 boxes)
Finding Aid Author	Margaret S. Morris, 2006 – 2008; Processing of additional materials and revisions made by Elizabeth Wilkinson, 2008, 2012
Languages	English
Repository	Virginia Kelly Karnes Archives and Special Collections Research Center, Purdue University Libraries

Administrative Information

Access Restrictions:	Collection is open for research. The collection is stored offsite; 48 hours notice is required to access the collection. Some materials have been restricted due to privacy and legal issues
Acquisition Information:	Donated by Herbert C. Brown and his son, Charles A. Brown
Custodial History:	The Herbert C. Brown papers were donated to Purdue University by Herbert C. Brown when he was on the faculty at Purdue. Brown's papers were originally housed in the small library room adjacent to his office that was provided to Brown when he became a Professor Emeritus in 1978. The papers remained as part of the Purdue Chemistry Department until Brown's death in 2004, when they were transferred to the archives. Subsequent

additions of memorabilia and artwork from Brown's home were received from his son, Charles A. Brown.

Accession Number: 20051206.1; 20111201

Preferred Citation: MSF 4, Herbert C. Brown papers, Archives and Special Collections, Purdue University Libraries

Copyright Notice: Copyright is retained by the Brown family

Subject Headings

Persons

Brown, Herbert Charles, 1912-2004
Brown, Sarah Baylen
Brown, Charles B.
Negishi, Ei-ichi, 1935-
Wittig, Georg, 1897-

Organizations

Purdue University. Dept. of Chemistry
Aldrich Chemical Company
Eli Lilly and Company

Topics

Nobel Prize Winners – United States.
Chemistry – Research – United States
Boranes
Organoboron compounds

Form and Genre Types

Artifacts
Audio-Visual Material
Clothing
Personal Papers
Photographs

Occupation

Chemists—United States.
College science teachers.
Purdue University—Faculty.

Biography of Herbert C. Brown

Herbert Charles Brown was born on May 22, 1912 in London, England. His parents, Charles Brovarnik and Pearl Gorinstein, were Jewish immigrants to the United Kingdom from their birthplace in Zhitomir in the Ukraine. The second of four children, Herbert was born in 1912. Two years after Herbert's birth his father moved their family to the United States to join his family in Chicago, while most of his mother's family remained in the UK. The family adopted the grandfather's anglicized name, Brown.

Herbert C. Brown's father, a highly skilled cabinet maker, found few opportunities for that level of woodwork and started doing regular carpentry. The events of the Depression led to his father's decision to open a small hardware store in South Chicago. The Browns lived above the family store and Herbert began his education, advancing quickly in school until graduation in 1924, at age 12. He then entered Englewood High School on Chicago's south side.

Two years into high school, in 1926, Herbert's father died and Herbert left school at age 14 to work in the family store. In 1929, his mother took over business responsibilities and sent Herbert back to high school where he progressed again toward graduation. He wrote the school's humor column, winning a national prize. A year later, Herbert graduated from Englewood and the family sold the hardware store. At the beginning of the Depression years, he worked odd jobs.

In 1933, Herbert decided to enroll in Crane Junior College to major in electrical engineering. After taking some chemistry classes, he changed his major to chemistry. After he completed his first semester, the school closed its doors when the institution's funding was depleted. He became a part-time shoe clerk and attended night school part-time at the Lewis Institute.

Dr. Nicholas Cheronis, one of Brown's instructors at Crane, opened his laboratory to several students for self-study. While working there, Brown met Sarah Baylen, who would later become his wife. Wright Junior College opened in 1934 and Herbert and Sarah enrolled, graduating a year later in 1935 as the school's first graduating class. Sarah wrote a message to Herbert in his yearbook predicting that he would one day be a Nobel Laureate.

Herbert competed for and won a partial scholarship to the University of Chicago and enrolled in 1935, along with Sarah. University policies allowed Herbert to enroll in unlimited courses for one tuition fee and he graduated one year later, in 1936, with a B.S. in Chemistry. He had completed two years of college in three quarters. Encouraged by a famous organic chemist, Prof. Julius Stieglitz, to pursue graduate school, Herbert and Sarah discussed delaying their plans to marry and he enrolled in graduate school. They married on February 6, 1937, against the advice of Prof. Stieglitz, and Sarah took a position at Billings Hospital to supplement Herbert's meager graduate funds. Sarah eventually graduated with her bachelors from the

University of Chicago. They had one son, Charles in 1944. Brown received his PhD. in Chemistry from the University of Chicago in 1938.

Brown's academic career began when, unable to obtain an industrial position, he was instead offered a postdoctoral fellowship by Professor Morris Kharasch at the University of Chicago. The following year Professor H. I. Schlesinger invited him to become his research assistant with the rank of Instructor, where he worked for two years. He then accepted a position at Wayne University as an assistant professor in 1943, and became associate professor in 1946. In 1947, Professor Henry B. Haas offered Brown an appointment as Professor of Inorganic Chemistry at Purdue University. Twelve years later, in 1959, Brown was named Richard B. Wetherill Distinguished Professor at Purdue; a year later, in 1960, he was named Richard B. Wetherill Research Professor, a title he held until becoming a Professor Emeritus in 1978. Following his retirement, Brown remained at Purdue, working with postdoctoral students.

Herbert credits his wife and college sweetheart, Sarah Baylen, for his interest and work in borane chemistry, for which he was awarded the 1979 Nobel Prize in chemistry. She had given him a book in 1936 as a graduation present, *Hydrides of Boron and Silicon* by Alfred Stock, which inspired his research interest in the hydrides of boron. In 1956, he and his students discovered the hydroborane reaction that became the basis for his work in borane chemistry.

Brown's professional work comprised research programs in the borane-organoborane area, the study of steric effects, the development of quantitative methods to determine steric strains, the examination of the chemical effects of steric strains, the non-classical ion problem, the basic properties of aromatic hydrocarbons, a quantitative theory of aromatic substitution, and the development of a set of electrophilic substitution constants, σ^+ , which correlate aromatic substitution data and a wide variety of electrophilic reactions. He passed away Dec. 19, 2004 after suffering a heart attack.

Sources:

Brown, Herbert C. "Herbert C. Brown." *Candid Science: Conversations with Famous Chemists*. By István Hargittai. London: Imperial College Press, 2000.. Print.

Brown, Herbert C. *Herbert C. Brown: A Life in Chemistry*. West Lafayette, Ind. : Department of Chemistry, Purdue University, 1980.

Brown, Herbert C. *Herbert C. Brown*. [Philadelphia, Pa.] : Chemical Heritage Foundation, 1994.

Scope and Contents of the Collection

The Herbert C. Brown papers [360 cubic feet] documents the professional life and some of the personal life of Herbert C. Brown. The collection consists of professional papers, personal papers, publications, professional and personal correspondence, research records, university and departmental papers, graduate student work and records, photographs, awards, memorabilia, and artwork. The Herbert C. Brown Papers are organized into three series:

Arrangement

The bulk of the collection is still in the order it was in when it was packed up. There has been minimal, re-organization within the boxes. This inventory will be periodically updated as processing occurs.

1. Vertical Files, circa 1930s-2003 (48 cubic feet). This series consists of reprints of articles, research records, reports, and some correspondence. Files in the series are arranged alphabetically and have been maintained in the order as when they arrived. They have been removed from the filing cabinets and placed in cubic foot boxes.

2. Herbert C. Brown's Chemistry Library contents, circa 1928-2005 (340 cubic feet). This series contains the bulk of Brown's work and personal papers, as well as some personal papers of his family members. Materials consist of work files, reports, memorandums, correspondence (work and personal), personal financial papers, newsletters, student papers and dissertations, journals, photocopies of journal articles, speeches, drafts of articles, books, and information on Brown's involvement with an Eli Lilly and Company lawsuit. Also included here are photographs, slides, videotaped lectures, and laboratory equipment.

3. Memorabilia and Artwork circa 1930s-2002 (32 cubic feet). This series includes artifacts and materials collected or given to Herbert C. Brown. Types of items include: academic robes and hoods, tee shirts, coins, medals, plaques, badges, paperweights, certificates, diplomas, programs, brochures, posters and art prints. Also found here are photographs, slides, videotapes, scrapbooks, photo albums, some correspondence, and publications by Charles Brown.

Descriptive Rules Anglo-American Cataloguing Rules, 2nd Edition / Describing Archives: A Content Standard

Processing Information

An effort has been made to numerically and/or chronologically order each individual box where feasible. Some contents, such as photographs, have been sleeved for protection. Some historical or fragile materials were wrapped in archival tissue for preservation.

The memorabilia and artwork donated by Herbert C. Brown's son, Charles B. Brown, has been wrapped in acid-free tissue and placed in sleeves and boxes, and an initial inventory is

compiled. Oversized materials have been individually wrapped and labeled. Unframed photographs are stored in archival sleeves and boxes. Artifacts have been wrapped and stored in archival boxes.

Also, materials from some boxes were consolidated, so there are no numbered boxes: 89, 90, 126, 150, 151, 181, 224, 225, 226

DETAILED DESCRIPTION OF THE COLLECTION

Series 1: Vertical Files, circa 1930s – 2003 (48 cubic feet)

#15896

Drawer 1, Reprints of Articles, A-Ban (filed alphabetically by last name of author)

Abramovitch, R.A.
Adams, R.M.
Agenas, L.B.
Ahluwalia
Alexander, E.R.
Allen, L.C.
Allen, Mark S.
Amma, E.
Anantakrishnan, S.V.
Angyal, S.J.
Ansell, M.F.
Applequist, D.E.
Arnett, E.M.
Arora – Final Report
Ashby, E.C. (3 files)
Ayers, P.C.
Bach, R.D.
Bachman, G.B.
Baddeley, G.
Bailar, J.C.
Bailey, P.S.
Bailey, W.J.
Baird, William C.
Baker, R.
Baliah, B.
Ballester, M.
Baltzly, R.
Bank, Sheldon
Banus, D.

#15896

Drawer 2, Reprints of Articles, Bar-Bu

Bartlett, P.A.
Bartlett, P.D.
Barton, D.H.R.
Bartch, R.A.

Basavaiah, D. – Final Report
Bauer, S.H.
Bawn, C.E. H.
Beauchamp, J.L.
Beckmann, S.
Bell, R.P.
Benkeser, R.A.
Bender, M.L.
Bentley, T.W.
Berger, H.
Berliner, E.
Berson, J.A.
Bhatt – Final Report
Berson, J.A.
Bickel, A.F.
Bigley, D.B.
Binger, P.
Bjerrum, J.
Blackwood, R.K.
Blum, Jochanon
deBoer, Th. J.
Bordwell, F.G.
Brady, O.L.
Brackman, W.
Bradley, E.
Brandt, W.W.
Braude, E.A.
Brener – Final Report
Breslow, R.
Bruer, E.
Brewster, J.H.
Briegleb, G.
Brindley, P.B. (empty)

#15896

Drawer 3, Reprints of Articles, Bro-Bun

Brooke, G.M.
Brown C.A. (3 files)
Brown, W.G.
Bruice, T.C.
Bruno, G.
Bruson, H.A.
Bubnov, Y.N.
Büchi, G.

Buchman, E.R.
Bennett, J.F.
Bunton, C.A.
Burg, Anton

#15896

Drawer 4, Reprints of Articles, Bur-CI

Buraway, A.
Burg, Anton
Burg, P.V.
Burton, D.J.
Burton, H.
Burwell, R.L.
Butler, D.N.
Buys, J/R/
(Caserio)
Caglioti, L.
Caldin, E.E.
Callery Data Sheets
Callis, C.F.
Calvin, M.
Campbell, J.B.
Capon, B.
Carboni, B.
Cardwell, H.M.E.
Carey, F.A.
Carhart, H.W.
Carrick, W.L.
Case – Final Report
Cason, J.
Caspi, E.
Castro, G.
Caubere, pl.
Cleason, G.
Cha, Jin Soon
Chamberlan, M.F.
Chandrasekharan, J.
Chandrasekhar, J.
Chatt, J.
Chinoporos, E.
Chiurdoglu, G.
Chloupek – Final Report
Choi, Sang Up
Chung, T.C.

Clifford, A.F.
Closson, R.D.
Clossen, W.D. (sic order)

#15896

Drawer 5, Reprints of Articles, Co-Da

Coates, G.F.
Cobble, J.W.
Colke, J.L.
Collins, C.J.
Colter, A.F.
Condon, F.E.
Cook, D.
Cooper, G.D.
Cope, A.
Corey, E.J.
Contreras, R.
Cowardrey, W.A.
Cox, J.D.
Caxon, J.M.
Cram, D.J.
Creary, Xavier
Crsitol, S.J.
Curtin, D.
D. (Davies, D.I.; Devaprabhakara, Dr.
Dailey, B.P.
Dainton, F.S.
Dannley, R.L.
Dauben, W.G.
Davidson, N.
Davidson, N.R.
Davies, D.I.
Davies, M.M.
Davis, R.E.
Dawson, C.R.

Research Records (alphabetical by subject, or by correspondent's last name)

Drawer 1, A-BE

Acharya
 Records & Correspondence
 Progress Reports
 Summaries

Adams
Records & Correspondence
Summaries

Ahluwalia
Records & Correspondence
Summaries
Final Report (empty folder)

Argade
Argade, A.
Records & Correspondence
Progress Reports (empty folder)
Summaries (empty folder)

Arora
Records & Correspondence
Progress Reports
Summaries

Ash
Records & Correspondence
Progress Reports
Summaries

Ayyangar
Records & Correspondence
Progress Report
Final Report

Azzari
Records & Correspondence
Progress Reports
Final Report (empty folder)

Bakshi
Records & Correspondence
Progress Reports
Summaries
Final Report

Bank
Records & Correspondence
Progress Reports

Barbaras
Records & Correspondence
PhD Thesis

Basavaiah
Records & Correspondence
Progress Reports
Summaries
Final Report (empty folder)

Bell
Records & Correspondence

Progress Reports
Berneis
Records & Correspondence
Summaries
Bernheimer
Records & Correspondence
Progress Reports
Summaries

Research Records

Drawer 2, Bh-Br

Bhat, K.S.
Summaries
Final Report (empty folder)
Bhat, N.G.
Records & Correspondence
Progress Reports
Summaries
Final Report
Bhatt
Records & Correspondence
Progress Reports
Summaries (empty folder)
Bigley
Records & Correspondence
Progress Reports
Biswas
Records & Correspondence
Progress Reports
Final Report (empty folder)
Blue
Records & Correspondence
Progress Reports
Summaries
Final Report
Bolto
Records & Correspondence
Progress Reports
Summaries
Bonner
Records & Correspondence
Progress Reports
Summaries
Borkowski

- Records & Correspondence
- Progress Reports
- Summaries
- Bowman
 - Records & Correspondence
 - Progress Reports
- Boyd
 - Records & Correspondence
 - Progress Reports
 - Summaries
- Brady
 - Records & Correspondence
 - Progress Reports
 - Summaries
- Brener
 - Records & Correspondence
 - Progress Reports
 - Summaries
- Breuer
 - Records & Correspondence
 - Progress Reports
 - Summaries
- Brooke
 - Records & Correspondence
 - Summaries
- Brost
 - Records & Correspondence
- Unlabeled CB Folder
 - Dated files:
 - Charles A. Brown 1960-1964
 - Charles A. Brown 1965-1969
 - Charles A. Brown 1970-1974
 - Charles A. Brown 1975-1979
 - Charles A. Brown 1980-1984
 - Charles A. Brown 1985-1989
 - Charles A. Brown 1990-1994
 - Charles A. Brown 1995-1999
- Brown, Charles A.
 - Records & Correspondence (empty folder)
 - Progress Reports
 - Summaries

Research Records

Drawer 3, Bu-Chl

Unlabeled Brown² Hydro-analyzer materials

Bucher

Records & Correspondence
Progress Reports

Buhler

Progress Reports
Summaries

Burke

Records & Correspondence
Progress Reports
Summaries

Burton

Records & Correspondence
Progress Reports
Summaries

Butler

Records & Correspondence
Progress Reports

Byrne

Records & Correspondence
Progress Reports
Summaries

Cahn

Records & Correspondence
Progress Reports
Summaries

Campbell

Records & Correspondence
Progress Reports
Summaries

Carlson

Records & Correspondence
Progress Reports
Summaries

Case

Summaries

Cha

Records & Correspondence
Progress Reports
Summaries
Final Report

Chandrase

Records & Correspondence

Progress Reports
Summaries
Chen
Records & Correspondence
Progress Reports
Summaries
Chen, Guangming
Progress Reports
Chloupek
Records & Correspondence
Progress Reports
Summaries

Research Records Boxes

De-Du	
Ea-Fi	
Fl-Gu	2 boxes
Gu-Hw	2 boxes
Ha-Hi	
Ho-Hu	
Ia-Kh	2 boxes
I-Ju	2 boxes
Ka-Ko	2 boxes
Ki-Kw	
Kr-Le	2 boxes
Li-Me	2 boxes
Mi-Nam	2 boxes
Na-Ol	2 boxes
Pa-Py	2 boxes
Q-Ra	2 boxes
Re-Sc	2 boxes

Non-Classical debate
3 boxes of correspondence

Applications for appointment
1 box—**RESTRICTED**

Special Publications
1 box

Nobel Prize publicity and miscellaneous publications
1 box

Series 2: Boxed Materials, circa 1928-2005

(320 cubic feet)

The contents of the boxed materials below were originally housed in the small library room adjacent to Brown's office that was provided to him when he became a Professor Emeritus in 1978. The materials were packed and transferred to the Archives in 2005.

Box 1

Work files, 1992-2001

P-Z alphabetized folder

1992 research reprints, correspondence

Periodicals

Manuscript, Volume 3, *Organic Syntheses via boranes* by HCB and Akira Suzuki

Trade and marketing publications, newsletters, pharmaceutical conference materials

Travel material, map of Israel

Army research grant report, research publications

Box 2

Alphabetical hanging folders with manila files, 1997-1999

Hanging folders are labeled A-Z; the C folder has a second unlabeled folder holding additional C files.

‘A’ folder, 1993

“Aldrich,” contains articles, newsletters, marketing flyer, sales brochure on boron reagents, product information sheets with models of different products, envelope holding Brown Royalty Payable spreadsheets with cover letter detailing payment to Brown

‘B’ folder, 1993

Untitled file contains “Transfer Reactions” report, duplicate Purdue interoffice memoranda asking for review of Bhat's charts

Untitled file contains fifty pages of models on different boranes/borane processes reprinted from various journals and unpublished results, 1972-1990

“HCB” file contains article by John Brown, news sheet welcoming Brown and wife to retirement home, book review on war-time borane story, typed remarks by James H. Brewster for symposium honoring HCB, Aldrich company publication dedicated to HCB on his 75th birthday, article on being cited [list of most oft-cited including HCB], printed tribute to HCB by Negishi and Racherla [two copies], reprint of Negishi research study, marked ballot information from American Association for the Advancement of Science, accident report on borane spill, borane manuscript submitted for publication in *Journal of the*

American Chemical Society, “compuscope” [two copies] or a computer generated horoscope, correspondence with former student Donald J. Abraham, correspondence with R.H. Horowitz, short research article from *Tetrahedron Letters*, memorial newsletter featuring Brown and Nobel biographies

“N.G. Bhat Transfer Reactions” file (empty)

“Jayaraman, Ed. NGB Chart,” contains edited Bhat’s models

‘C’ folders, 1991-1993

“C” folder 1

“Chandran,” contains a *Heterocycles* research article reprint from Chandran; drawn models of DIP-Chloride and Alpine Borane; charts of reduction comparisons; six related research articles reprinted from chemical journals

“Chandran,” contains a memo coversheet/handwritten memo from Ramachandran to HCB detailing his publication plans, followed by many notes taken on Selective Reductions numbered 49-53 and lab observations; research article on Chiral Synthesis by Ramachandran, Teodorovic, and HCB; progress report to HCB from B.Q. Gong on reduction of substituted acetophenone; photocopied *Heteroatom Chemistry* journal article on hindered organoboron groups dedicated by chemistry department at the University College of Swansea to HCB on occasion of his 80th birthday; reprint of *Journal of Organic Chemistry* article by HCB, et al., on organoboranes for synthesis

“Ramachandran, Sel. Red. 48 and Sel. Red. 49,” contains edited manuscripts of selective reductions 48 and 49

“Chandra,” (sic) contains models on printout; handwritten/sketched pages on reduction of monocyclic ketones; advertisement for Macintosh computers; sales brochure for ChemWindow software; drawings of models by Ramachandran; handwritten memo to HCB from Ramachandran on the reactivity of norcamphor; marketing newsletter on Macintosh workshops addressed to HCB

Untitled file, contains a photocopy of asymmetric reductions article by Ramachandran

“Chandran, Citations of HCB Publ” contains a 33-page photocopied record of HCB’s publication over twelve years from *Science Citation Index*

“CHA’s MSS,” contains a research article from *Tetrahedron: Asymmetry* by Korean authors; envelope addressed to HCB and containing copies of four manuscripts co-authored by HCB and Jin Soon Cha

“Asymmetric Reduction – Chandran” (empty)

“Summary of Ian Paterson’s Research (Ganean)” (sic) contains a reprint of an article from *Journal of the American Chemical Society* by E.J. Corey and Sung Soo Kim; handwritten summary to HCB by K. Ganesan on Ian Paterson and David A. Evan’s work from a 1992 seminar; photocopied article on chiral ethyl ketones published by *Tetrahedron* journal

“C” folder 2

“MS for Hassner’s book,” contains manuscript “Asymmetric Syntheses via Chiral Organoboranes based on α -pinene”

Untitled file containing research article on carbon from *Journal of Fluorine Chemistry* with section in red pen brackets, correspondence with Takayuki Shiori regarding an article on chiral synthesis [article attached]

“Ramachandran” file, containing research article, correspondence with dissertation excerpts attached, two research studies

‘D’ folder, 1987

Pages of excerpts, one per page, clipped in front of an article by Derek A. Davenport, a Purdue professor, who wrote about “Invective Effect” or the controversy stirred by HCB’s publication on steric strains

‘E’ folder (empty)

‘F’ folder (empty)

‘G’ hanging folder, 1989,

Handwritten preliminary progress report filed by K. Ganesan; group of reference papers about Aldol stereochemistry

‘H’ folder (empty)

‘I’ folder (empty folder)

‘J’ folder, 1990-1993

“Jayamani,” contains a research article on chiral synthesis via organoboranes by HCB and Jayamani; letter to HCB from Jayamani

“Jayaramani’s Paper (Racherla’s Draft),” contains a manuscript of the article by U.S. Racherla; correspondence between HCB and Jayaramani regarding publication plans

“Asymmetric Homologation Scope,” contains a report detailing boron-based general asymmetric synthesis

“Final Report (R.R. Iyer),” contains handwritten report by Iyer on synthetic applications of vinylic organoboranes

“R.R. Iyer,” contains three HCB, Iyer, et al. article reprints; memo to Iyer. [RESTRICATED. Folder moved to restricted materials box]

“Jayaraman Final Report,” contains the handwritten final report of Jayaraman to HCB dated April 22, 1993; three reprints of articles authored by Brown, Jayaraman, et al.

“S. Jayaraman Progress Reports,” contains a review from Jayaraman to HCB of a *Journal of Organic Chemistry* article; correspondence from the journal soliciting the review; the article under review; two reprints of articles; three pages titled “The Discovery and Exploration of a new Continent of Chemistry”

“Organoboranes.57. S. Jayaraman” contains correspondence between Clayton H. Heathcock, editor of the *Journal of Organic Chemistry*, and HCB regarding a Jayaraman research article under consideration; copy of the published article and accompanying structural drawings; a study on asymmetric homologation; five progress reports from Jayaraman to HCB

“S. Jayaraman,” contains handwritten progress reports #27-29 to HCB

“P.K. Jadhav,” contains HCB’s review comments recommending for publication research done on asymmetric hydroboration in China; reference letter by HCB for Jadhav, and to Patricia Weber of du Pont Merck Pharmaceutical Co.; Jadhav writing sample and resumé

‘K’ folder, 1992

“Kulkarni: Lactones,” contains group seminar research report by Shekhar Kulkarni; correspondence between HCB as reviewer and Henry Rapoport, a senior editor with the *Journal of Organic Chemistry*

regarding an article submitted for publication by Robert B. Bates and Sanjeev Gangwar (possibly misfiled?)

“Lactones Kulkarni” contains three handwritten research reports on lactones, best literature methods

“Synthesis of Opt. Act. Lactones. Kulkarni” (empty)

‘L’ folder (empty)

‘M’ folder, 1980; 1992

Untitled folder containing a newsletter, *The Allembic* (July 1992);
Research report on asymmetric synthesis *via* organoboranes by V.K. Mahindroo

“List of A.K. Mandal’s Publications,” contains a one-page list of manuscripts to be published by HCB and Mandal; three reprints of journal articles on synthesis and organoboranes

‘N’ folder, 1992

“S. Narasimhan’s Publications,” contains a copy of the research report he dedicated to HCB on the occasion of his 80th birthday.

‘O’ folder, 1993

“ONR End-of-the Year Report – 1993,” contains letter to Dr. Ronald A. De Marco of the Office of Naval Research with project report attached (“Physical and Chemical Characteristics of Organoboranes”)

‘P’ folder (empty)

‘Q’ folder (empty)

‘R’ folder, undated

“Shenyi’s Homologation Studies,” undated (appears to be misfiled)

‘S’ folder, 1989-1992

“John Schwier’s Publications,” contains message from Bakthan to HCB; correspondence between HCB and J.A. Marshall, senior editor of *The Journal of Organic Chemistry*; correspondence between HCB and Bakthan and Schwier; a *Journal of the American Chemical Society* reprint on hydroboration kinetics dated 1982; an article abstract from Chem & Biochem Dept., UCSC; letter from HCB to Schwier at Eli Lilly about publishing a second paper based on his research thesis and Bakthan’s modifications; reprinted research article on hydroboration

that HCB sent to both Schwier and Bakthan; a letter from Bakthan Singaram, UCSC, to HCB which summarizes Schwier's dibborane research (two copies of summary are filed); manuscript of HCB and Schwier research report on hydroboration and a reprint of a 1979 *Journal of Organic Chemistry* research report by HCB, Schwier, and Singaram

"Massoud Stephan Enantioselective Synthesis," contains research report by Stephan on "Enantioselective Synthesis of Tertiary Mono and Diphosphines"

'T' folder (empty)

'U-Z' folders (empty)

Box 3

Boxed loose papers, 1995-1996

Article reprints; chemical marketing materials; bound collection of photocopied research articles by various authors; correspondence regarding solvolysis controversy, and science book

Box 4

Copies of the Purdue School of Science's newsletter, *Sequel*, Issue 4, 1980, celebrating award of Nobel Prize to HCB

Box 5

Manuscript materials on the NonClassical Ion Problem, ca. 1976

Box 6

Reprints of journal articles written by HCB, et al., 1976-1996 (numbered 842-851, 853)

Box 7

Bound works on boranes, group research reports, and organometallic chemistry annual reviews, all ca 1970s; "Remembering HCB," 1978; program for Paris conference of Nobel Laureates, 1988

Box 8

Work and personal files, 1992-1997; Contains personal and professional correspondence, research reviews, trade publications, research reprints, a copy of an oral history interview with HCB (1994), royalty reports, awards nominations. Alphabetized files

“A-O” contain correspondence, 1992; manuscript box of Volume 3, “Organic Syntheses via Boranes,” by HCB and Akira Suzuki

Box 9

Bound topical literature reviews (e.g. Solvolysis), ca. 1950s/1960s
Seminar assignments, lecture notes from 1942-1945; a current trade publication, a thesis by Haywood-Farmer University of British Columbia (not HCB student), 1967

Box 10

Reprints of journal articles written by HCB, et al., 1959-1963; 1983-1986; 1991-1996
(numbered 201-300, 901-1000, 1101-1200 x6 boxes)

Box 11

Reprints of journal articles written by HCB, et al., 1959-1963; 1968-1974; 1981-1991
(numbered 201-300, 401-600, 801-1000, 1001-1100); also contains bound volume of reprints from 1981-1983 (numbered 801-900)

Box 12

Reprints of journal articles written by HCB, et al., , 1959 – 1973, articles 201-650, one out-of-sequence box of articles 1095-1091, undated and correspondence about reprints sent out.

Box 13

Reprints of journal articles written by HCB, et al., 1959-1983 (numbered 201-900) [601-650 X 2 boxes]

Box 14

Final reports by HCB students, 1995-1999; Students' Publications (bound), 1977- 1999; HCB Group's Poster Presentations (bound), 1996; Organometallic Chemistry Review, Annual Surveys, 1964-1970 (bound)

Box 15

Final reports (bound), bibliographic compilations, 1987-1998, publications records, nomination dossiers, 1987, project proposals, chemistry reviews, et al., dated 1972-2000

Box 16

Reprints of journal articles written by HCB, et al., 1959-1971, 1986-1991; box of Barton Models; Office of Naval Research progress reports, 1950; Army Research Office report, 1984 (not classified)

Box 17

Aldrich royalty reports, 1973-1993, 2002; symposium program inaugurating the HCB

Distinguished Professorship, 2000; two books of handwritten lecture notes in HCB's script from his teaching days at the Jones Chem. Lab at the University of Chicago, ca. 1935-1936

Box 18

Research reports from HCB's research group, ca. 1969-1974

Box 19

Reprints of journal articles written by HCB, et al., 1963-1996, 1980

Box 20

Aldrich royalty reports, 1994-2000; Midland Lecture Series slides; partial manuscripts of "Organometallic Chemistry" (Ch 45.6-45.11), undated; "Organometallic Reagents in Organic Synthesis," ca. 1980; and "Inorganic Reactions and Methods" (Ch. 5.3.2.4-5.3.2.50), undated

Box 21

Reprints of journal articles written by HCB, et al., 1959-1981

Box 22

Reprints of journal articles written by HCB, et al., 1968-1977, 1981-1986 (numbered 401-700, 801-1000); contains leather-bound volume of HCB's first publications from 1938-1953 (numbered 1-100, tissue-wrapped); miscellaneous papers, 1997-2001 (slide presentations, student poster session schedules, correspondence); text of Royal Society of Chemists seminars, Swansea, 1984; Reports/materials, Naval Research Office, 1987

Box 23

Reprints of journal articles written by HCB, et al., 1955, 1963-1974, 1976-1977, 1981-1991

Box 24

Manuscript of *Boranes in Organic Chemistry*, 1971-1975; undated

Duplicates of book chapters I-XX

Galley with proofreader's marks, undated

Correspondence, ("Boranes in Organic Chemistry"), 1971-72

Loose papers, correspondence, 1972-1975

Royalty terms, advertising and marketing pieces, book reviews, letters between HCB and Cornell University Press, solicited endorsement letters from chemists receiving gratis copies of the book, shipping reports, lists of publications reviewing book, page proofs

Box 25

Reference books, 1938-2000

Assorted texts, including HCB's *Modern Aspects of Inorganic Chemistry*, 1938, self-inscribed "Herbert C. Brown, University of Chicago"

Various annual publications:

The Year Book, 1994, 1995, 2000
Annual Review of Physical Chemistry, 1962-1964
Inorganic Synthesis, volumes 1-4
Progress in Stereochemistry, 1-2
Progress in Organic Chemistry, volumes 2-5, 7

Box 25a

Box 26

Symposia/conference proceedings, chemical periodicals, 1993-1996

Box 27

Bound reprints of HCB publications, 1954-1971 (Numbered 101-500); and books: *Handbook of Chemistry and Physics*, 1967-1968; *No More War!*, 1958; *Inorganic Chemistry*, 1953; *Calculus*, 1961; two (2) copies of *Selected Values of Chemical Thermodynamic Properties*, 1952

Box 27b

Box 28

Manuals and loose papers, 1989-1999

Laboratory techniques manuals; slides, research notes; travel itineraries

Box 29

Reference books, miscellaneous, 1895; 1952-1998

Annual Reports of the Royal Society of Chemistry, 1981/A, B, C – 1993/C

Royal Chemical Society Reviews, 1981

Progress in Organic Chemistry, volumes 1, 3, 6

Annual Surveys of Organometallic Chemistry, volumes 1, 3

Indian National Science Academy, New Delhi, The Yearbook, 1992, 1993, 1998

Scientific German Reader, Dippold, 1895

Box 30

Work and personal files, 2000

HCB and Sarah Brown's healthcare issues; trade publications; professional and limited personal correspondence; travel itineraries; invitations to speak; lecture slides; planned giving documents and correspondence; estate planning information; documents about the manufacture of components of the drug Prozac

Box 31

Bound HCB publications, 1962-89, 1991-96; list of HCB and coworkers' publications and addresses, undated; copies of Exponent article on 90-year-old HCB, 2002; books of research compiled by Russian chemist Palm of Estonia, 2 volumes, 1962, 1963; *Chemical Analysis*, 1960

Box 32

Work files, 1957-1989

Information on Brown hydrogenator, gasimeter
Market survey on organoboranes
Exxon consulting agreement and correspondence
Correspondence regarding sales of HCB discoveries to Ethyl Corp., Shell, Esso, etc.
Patent applications, domestic and international (UK, Italy, France, Australia, Japan,)
Handwritten process disclosure on conversion of internal olefins into primary organoboranes
Involvement of Purdue Research Foundation in patent sales agreements
 Correspondence/informational materials regarding metal hydrides, 1954-1965 (some involving Schlesinger)
Correspondence with H.I. Schlesinger, late 1940s through 1960s, including telegram of death notice by Richard Schlesinger and letter dated June 28, 1957, regarding Schlesinger's conveyance of uranium project papers to HCB and HCB request for Signal Corps papers

Box 33a

HCB Tribute and Bio, multiple copies; manuscripts; final reports; HCB lecture program bulletins, 1980-1997, 2002

Box 33b

Hydroboration galleys, envelopes with notes 1960

Box 34

Reprints of journal articles written by HCB, et al., 1974-1981, 1983-1986, 1991-1996

Box 35

Early texts used by HCB: 1901, 1933, 1944, 1949; later texts in HCB collection, ca. 1960s-1970s; CRC handbook, 1980; HCB bound publications, 1963-1968; Aldrich bound product lists, 1991

Box 36

Reprints of journal articles written by HCB, et al., 1959-1963, 1974-1981, 1986-1991 (numbered 201-300, 601-800, 1001-1100)

Box 37 OVS Contents: Oversize Materials

Hanging file folders 1-9, ca. 1990s

Lecture slides; seminar notes; National Institute of Health proposals, 1994-1997; Army Research Office proposal, 1993; National Science Foundation proposals, 1991-1997

Literature search for hindered amines, ca. 1992 (in binder)

SciFinder Scholar Search on HCB publications, 1966-1999 (in binder)

"Organic Synthesis via Boranes," Volume 2, manuscript at proofing stage, 2000 (manuscript)

“Organic Synthesis via Boranes,” Volume 2, chapter contributions from Marek Saldewicz, Poland, 1998 (manuscript)

“Organic Synthesis via Boranes,” Volume 2, typeset version with figures in place, 2000 (manuscript)

“Advances in Organic Syntheses Via Boranes,” P.V. Ramachandran and HCB, *American Chemical Society* symposium series manuscript, with Oxford UP marketing survey, cover design mock-ups, 2000 (manuscript)

5th, 7th – 10th Report(s) on Research of the Petroleum Research Fund, 1960-1965 (book)

Proceedings, technical bulletin, lab guide, pharmaceutical research publications, 1966-2000 (books)

Box 37a

Box 37b

Reprints of journal articles written by HCB, et al., 1959-1962; 1974-1986

Box 39 OVS Contents: Oversize Materials

Numbered publications by H.C. Brown, 1971-1991

Publications 501-600, 1971-1974

Publications 601-650, 1974-1976

Publications 651-700, 1976-1977

Publications 651-700, 1976-1977 [duplicate box]

Publications 701-800, 1977-1981

Box 39b

Publications 801-900, 1981-1983

Publications 801-900, 1981-1983 [duplicate box]

Publications 901-1000, 1983-1986

Publications 901-1000, 1983-1986 [duplicate box]

Publications 1001-1100, 1986-1991

Box 40

Reprints of journal articles written by HCB, et al., 1959-1963, 1968-1981, 1986-1991

(numbered 201-300, 501-800, 1001-1100); printed manuscript of *Organoboranes in Organic Synthesis* by HCB, M. Zaidewicz, E. Negishi

Box 41

Publications by HCB and co-workers, 1963-1991

Publications 301 – 700; 902-1100

Box 42

Reviews, 1952-1974

London: The Chemical Society quarterlies cover 1952-1974

London: The Chemical Society annuals cover 1958-1961, 1964-1966

Box 43

Manuscripts of "Organic Synthesis via Boranes, vol. 2" and "vol. 3", 2001; work by E.

Negishi, ca. 1980; Commemorative volume about Nung Min Yoon, containing

foreword by HCB; early research volumes, written by HCB during years at University of Chicago, ca. 1937-1944

Box 44

Papers pertaining to boron chemistry, 1996-1999

Article reprints; manuscript contributions for encyclopedic use (multiple copies of contributions authored by Raj Dhar, John Soderquist, Mark Zaidlewicz retained);

article reprints and manuscripts by Eric Scerri; articles authored by HCB and

Ramachandran on asymmetric synthesis; article by HCB on the generation of borane

Box 45

Journal volumes of annual reports, 1934-1980

Annual Reports on the Progress of Chemistry, The Chemical Society, 1934

Annual Reports on the Progress of Chemistry, The Chemical Society, 1935

Annual Reports on the Progress of Chemistry, The Chemical Society, 1936

Annual Reports on the Progress of Chemistry, The Chemical Society, 1937

Annual Reports on the Progress of Chemistry, The Chemical Society, 1938

Annual Reports on the Progress of Chemistry, The Chemical Society, 1939

Annual Reports on the Progress of Chemistry, The Chemical Society, 1940

Annual Reports on the Progress of Chemistry, The Chemical Society, 1941

Annual Reports on the Progress of Chemistry, The Chemical Society, 1969A/B

Annual Reports on the Progress of Chemistry, The Chemical Society, 1970A/B

Annual Reports on the Progress of Chemistry, The Chemical Society, 1971A/B

Annual Reports on the Progress of Chemistry, The Chemical Society, 1972A/B

Annual Reports on the Progress of Chemistry, The Chemical Society, 1973A/B

Annual Reports on the Progress of Chemistry, The Chemical Society, 1974A/B

Annual Reports on the Progress of Chemistry, The Chemical Society, 1975A/B

Annual Reports on the Progress of Chemistry, The Chemical Society, 1976A/B

Annual Reports on the Progress of Chemistry, The Chemical Society, 1977A/B

Annual Reports on the Progress of Chemistry, The Chemical Society, 1978A/B

Annual Reports on the Progress of Chemistry, The Chemical Society, 1979A/B/C

Annual Reports on the Progress of Chemistry, The Chemical Society, 1980A

Box 46

Annual reports, journals, paper collections, abstracts of papers, 1950-1971

Journals include quarterlies from *London: The Chemical Society*, 1950-1968

(incomplete); bound abstracts from *American Chemical Society*, regional meetings, 1952-1968; bound abstracts from *American Chemical Society*,

national meetings, 1943, 1949, 1956, & 1958; journals regarding symposium publications related to petroleum chemistry, ca. 1954; HCB-inscribed speech on back cover, 15th National Organic Chemistry symposium, 1957
Bound annual reports of *The Chemical Society*, 1944-1959. 1962-1965
Bound annual report from *Royal Society of Chemistry*, 1980

Box 47

Abstracts and proceedings, books, programs, 1944-81

Publications include:

Chemical Society Reviews, 1976-1981
Quarterly Reviews, Chemical Society, 1966-1970
Chemical Reviews, American Chemical Society, 1956
International Congress of Pure and Applied Chemistry, 1955, 1959, 1963, 1964
Boletin del Instituto de Quimica, 1945-1953 (incomplete)
“Odd lot” research bulletins, 1953-1978
Organic Chemistry Symposium, American Chemical Society, 1946, 1949, 1951
Div. of Petroleum Chemistry papers, American Chem. Society, 1946, 1951-1954
Div. of Organic Chemistry abstracts, American Chem. Society, 1944-1967
Answer Book: Chemistry A Life Science Approach, 1975

Box 48

Various bound works, including assorted manuscripts, topical reports, 1972-1987; correspondence record, 1996-1997

Box 49

Books, 1951-1998

Reagents for Organic Synthesis (3 volumes)
Chemistry of Carbon Compounds (3 volumes, 6 books)
Miscellaneous Texts
Tetrahedron issues, 1976, 1977, (“Explorations in the Nonclassical Ion Area”)
Publications dedicated to HCB at 90th birthday (picture of HCB at celebration inside)

Box 50 OVS Contents: Oversize Materials

Work and personal files, 1974-2001

Progress reports, lab notebooks; Vinylboranes bibliography; HCB biography; slide printouts; Charles A. Brown papers [**RESTRICTED**. Items moved to restricted materials box.]; appointment papers for postdoctoral students; slide printouts; research article reprints; manuscript submissions; journals; popular magazines; handwritten lists of HCB and Sarah Brown’s priorities; royalty reports; envelope with HCB pictures; research team communications; research article reprints; report of 1st PRF project; Schlessinger biography correspondence and manuscript

Box 51 OVS Contents: Oversize Materials

Work files, circa 1981-2000

Purdue business; various publications; correspondence; science texts.

Box 52

Work and personal papers, 1995-2000, odd lot papers, 1968

Marketing materials; various publications (magazines, research journals, etc.); HCB speech/slides; hand-drawn diagrams; manuscripts submitted to HCB; seminar, symposium papers; miscellaneous correspondence (departmental, 2000 Nobel Laureates reunion, etc.); [RESTRICTED: Moved to Box 117 Sarah Brown's last will and testament; copies of HCB/SBB Trusts, circa 1968; compensation schedules; university memoranda;] lecture notes for Chem 630X

Box 53

Work files and loose papers, circa 1980; 1994-2000

Research article reprints, 1985-1995; University of Chicago's publications of HCB dissertation; HCB publications; folder of letters requesting HCB's signature and/or memorabilia (photos, etc.); black and white photo of HCB in tuxedo holding award; Achievement award at int'l boron conference (IMEBORON IX in Heidelberg)

Box 54

Work and personal papers, 1993-2000

Research article reprint, 1978; HCB tribute book; marketing materials; various publications (magazines, research journals); miscellaneous correspondence; HCB living will, "Remembering HCB" book, ca. 1978; photocopied reprints of article by Charles Brown

Box 55

Work and personal papers, 1993-1998

Various publications and marketing flyers; HCB articles; 1994 symposium presenters' articles; travel itineraries and correspondence; research article reprints, 1958

Box 56

Work and personal files, 1992-2001

Holiday correspondence, pictures of HCB and Sarah Brown; personal and professional correspondence; itineraries; petition to support stem cell research; requests for post-doctoral posts

Box 57

Work files, 1993-1998

Manuscripts sent to HCB for editing; research article reprints; miscellaneous correspondence (honorary doctorate, etc).

Box 58

Work files and artifacts, 1979-2004

Assorted artifacts; working files (correspondence, research reports, slides); review manuscript of vol. 2 *Organic Synthesis through Boranes*; books; acrylic framed photo

with Whittig (1979); historical materials about fellow chemists such as Schlesinger; published features of HCB

Box 59

“Compilation”: Table of Contents and 17 research articles, undated

Stack of miscellaneous papers, 1968-1972

National and university newsletters and bulletins, professional organization reports, minutes, and bulletins (American Association of University Professors, Council of Graduate Schools in U.S., *Organic Chemical Bulletin*), departmental notices, account notices, symposium/colloquium notices/reports, Graduate School minutes, University Senate minutes, School of Science Faculty minutes and memoranda, various technical papers, journal article reprints and article manuscripts, programmatic brochures, notations/ formulas/ models in HCB’s hand, conference reports, chemical price list, solicitation letter regarding national Antiballistic Missile program expenditures, budgets for graduate student hires, Sigma XI membership list, faculty salary spreadsheets, letters, press releases, handwritten business “card,” project cancellation slip, phone message slips

Trade/professional publications, 1969-1973

National Academy of Sciences, National Research Council, American Academy of Arts and Sciences, Chemical and Engineering News

American Chemical Society article reprints, 1967-1968

Journal of the Chemical Society article reprints, 1960-1962

Society of Chemical Industry reprints and *International Journal of Organic Chemistry* reprint, 1959

Manuscript of anthology sent to HCB by John C. Bailer, Jr., 1961-1962

Manila envelope containing spreadsheets on Texaco, Inc., 1973

Budgetary information on this project directed by HCB. Includes notice of “Overdrawn Project,” lists of people to receive presentation copies of *Boranes in Organic Chemistry*, National Science Foundation and National Institute of Health handwritten project accounts

Unbound research articles, ca. 1962-1963

[Sequential pagination suggests manuscript of anthology]

Typewritten HCB paper, undated

“Steric and Electronic Effects in the Solvolysis of Substituted Phenyltrimethylcarbinyl Chlorides – Electrophilic Substituent Constants,” undated

Miscellaneous handwritten spreadsheets of solvolysis, acetylation, et al., ca. 1957-1958

Reprints from 1957-1958 *Journal of Chemical Science*; miscellaneous research articles intermingled; report on "Method of Least Squares;" technical report published by the Office of Naval Research (1957)

Box 60

Correspondence, B-C, 1955-2001 (filed alphabetically)

Box 61

Working files on Aldrich Chemical, 1973-2000

Correspondence regarding licensing agreements, royalty payments, business conducted with Clint Lane and ACC associates over the years.

Box 62

Working files, 1941-1979

Photocopied research articles on crystal and molecular structures of compounds, circa 1964

Correspondence, circa 1960-1966; research reprints/typed manuscripts of 1942-1943 work done by S. Wintein, Wm. Saunders, et al.

Canadian and French Patents issued in fall 1959 pertaining to manufacturer's suit; photocopies of patents; Canadian court case manuscript; Swiss patents, 1941; research articles; 1960-1961 research; 1962 correspondence and copies of patents sent to HCB by the Patent Law Department of the Upjohn Company; folder titled "Memorandum and Annexes," circa 1955-1956

"Rates," contains handwritten research and models, circa 1960s

Papers about rates of solvolysis research, circa 1962- 65; correspondence about Brown's controversial research article on phenonium ions

Newspaper clippings pertaining to HCB's Nobel Prize, 1979

Box 63

Hydroboration manuscript (proof pages, chapters 1-5) from Aldrich, 2000

Correspondence, 1952-2002

Collins, Clair J., 1954-1980

Colter, Allan K., 1962-1968

Columbia Organic Chemicals Company, 1960-1970

Condon, Frank E., 1955-1975

Cope, Arthur C., 1956-1966

Corey, Elias J., 1957-1990

Cornell University Press, 1969-1984

Corning Glass, 1968-1973

Crabbé, Pierre, 1963-1979
Cragg, Gordon, 1971-1984
Cramm, Donald J., 1952-2001
Cristol, Stanley J., 1956-1987
Culp, Bartow, 2002
Curtin, David Y., 1964-1976
Cr-Cu miscellaneous correspondence, 1955-1999
 U.S. Customs, Curcaneanu, Cuono, Cullen, Cucinella, Croxton, Crown, Cross,
 Crosby Chemical Company, Cromwell, Criss, Criegee, CRC Press, Crawford,
 Creary, Crawford, Craven, Crane, Russak & Co., Crandall, Craig, Crain,
 Cramer, Cullen [Coxen, misfiled]
Callery Chemical Company, 1959-1976
Capon, Brian, 1964-1976
Caspi, Eliahu, 1968-1979
Chatt, J., 1957-1979
Chemical Samples Company, 1964-1968
Chmielewski, Jean, 2002
Chulabhorn Research Institute, 1990-1999
Cities Service Company, 1961-1970
Clark, David T., 1976
Clark, Samuel F., 1955-1961
Coates, Geoffrey E., 1961-1968
Coates, Robert M., 1976-1979
Cohens [A. David/Joseph/Ray/Phil/Saul/Stewart], 1970-1979

Box 64

Various HCB manuscripts; HCB oral history, ca. 1970-1980s; reports, lab notebooks, and correspondence addressed to HCB re: notebook procedures

Box 65

Work files, circa 1980s-2000

“D” correspondence files, 1955 to 1990s; materials from National Academy of Sciences; correspondence and research materials; marketing materials; trade publications; articles for review/publication; departmental memoranda; travel itineraries; consulting schedules (Exxon); Aldrich royalty reports

Box 66

Work and personal files, 1981-2003

Bound reports on pheromones research; photographs of HCB (color and B&W), some signed; photos of research groups, photos of HCB and Sarah Brown; photo of HCB at Nobel Award ceremony; numerous versions of biographies; papers regarding the establishment of the Brown Research Fund; various lectures; living trust papers; “HCB Personal” file contains genealogical information, including burial agreement, certified copy of an entry of HCB’s birth in England; estate accounting/correspondence; Sarah Brown’s inoculation records; retirement correspondence; four 8mm tapes and one 54 (58?)mm tape labeled “Nobel Day”

Box 67

HCB-led dissertations, 1957; HCB publication searches and searches on borane chemistry

Box 68

HCB-led dissertations, 1957-1961, 1967

Box 69

Slide presentations, circa 1980s

HCB lectures and speeches; includes slide show of the Nobel Ceremony

Box 70

Two carrying cases with the parts for two gasimeters, undated

Box 71

Plastic case with lab apparatus; folders of HCB honorary listings (Who's Who, etc.), 1972-2000

Box 72

Work files and books, 1967-2002

Books of HCB research and published works on organic chemistry, Hiring procedures, personnel information separated to **RESTRICTED** Box 117.

Box 73

Work files and artifacts, 1994-1997

Regarding the manuscripts in various stages on Molecular Addition Compounds and the patenting process of it; set of seminar slides by HCB and Marek Zaidlewicz about the new borane reagents for hydroboration; Suzuki coupling manuscript; equipment box containing a glass testing apparatus made by Ace Glass, NJ, undated

Box 74

Work files, 1968; 1983-2004

Research reports; symposia proceedings; correspondence regarding HCB's 2002 memoir by Brownians; work on hydroboration, circa 1980s

Box 75

Leather portfolios, 2000-2002

Letters, itineraries, conference programs, pictures of HCB research group, departmental communications 2002 (brown portfolio)

"Current Correspondence," contains 2001 letters, emails, trade publications, research article reprints, newsletters, marketing materials, personnel documents, itineraries, etc. (black portfolio) (unrestricted materials)

Box 76

Work files, 1984; 2002

Reference books
Borane manuscript, 1984

Box 77

Nobel Prize (mounted replica from Museum of Science and Industry), Nobel Hall of Science, 1979

Box 78

Work files in two cloth tote bags, 2002-2003
General correspondence, 2002; work papers, 2003

Box 79

Work files, 1997-1998

Loose materials, 1997, in front of first hanging folder:

Letter from HCB to send to friends recapping the celebration of his fifty years at Purdue; photocopies of *Journal and Courier* news feature on Brown; photocopies of feature detailing an art exhibition held in HCB's honor

Hanging folder 1, 1997

"HCB Handwriting Analysis Erwin P. Erp, III (Trey)" contains correspondence between HCB and the Baylor University psychology majoring in graphology that requests a writing sample from HCB for the purpose of analysis; handwriting sample; report on analysis of HCB's writing sample

Hanging folder 2, 1997

"Pertinent Publications on the nonclassical ion question," contains photocopied research article from *Journal of Organic Chemistry*; photocopy of article "On Opinion in Good Men: An Oblique Tribute to H.C. Brown (au. Derek A. Davenport, Purdue); book review by Dr. M. Hanak of HCB's *The Nonclassical Ion Problem*; printed lecture delivered by HCB at Burlington House in 1955 on "Chemical Effects of Steric Strains"; HCB article reprint from *The Chemical Society, London*, 1962

Set of two research reports from Dan Fărcașiu for HCB's perusal before publication

Reprint of HCB article published in 1972 in the *American Chemical Society* ("Convenient Synthetic Routes to the 5,6-Trimethylenenorbornanones")

"Nonclassical Ions /Arr. late Aug.19. Disc. Aug. 20, 1997 Stephen J. Weininger mid-August Aug. 20, 1997," contains letters from Stephen J. Weininger, Worcester Polytechnic Institute, requesting interview with HCB regarding the controversial nonclassical ion; two of Weininger's publications in reprint as assurance of his credentials as chemist and historian in the field; response from HCB welcoming such discussion; correspondence regarding the

upcoming visit to Purdue by Weininger and his wife, including itinerary, reservation information, directions, and maps; a reprint of 1972 HCB publication from *Journal of Organic Chemistry*, about synthetic routes to the 5,6-Trimethylenenorbornanones and *Journal of Organic Chemistry* 1985 reprints of HCB's research in structural effects in solvolytic reactions "Nonclassical Ions Stephen J. Weininger Mid-Aug. Aug. 20," contains photocopies of the letters exchanged by HCB and Weininger

Untitled file contains four research reprints, one inscribed: *Journal of Organic Chemistry*, 1997, Neil Buckley's resolution of the 7-Nortricyclanone anomaly; *Tetrahedron*, 1997, report by Ei-ichi Negishi and Martin Kotora on region- and stereoselective synthesis; *Tetrahedron*, 1997, report reprint on stereoselectivity in asymmetric reductions with boranes inscribed by first author, Milorad M. Rogic; *Accounts of Chemical Research*, 1997 research report reprint by R.S. Brown on the early steps in electrophilic bromination

Hanging folder 3, 1997

"Brown's 85th" contains much and varied correspondence related to the planning, arrangements, execution, and subsequent recapping of the HCB celebration held in April of 1997

Memo of congratulations from P.V. Ramachandran upon receipt of a video cassette of the celebration

Correspondence between Dr. Charles and Dalia Brown and the San Jose, California, Children's Discovery Museum regarding a \$2,500 gift in honor of HCB's 85th birthday and its arrival at the museum

Letter of regret from HCB to arrangers of a retirement tribute to Professor Edward A. Fletcher

Letter from Dr. Alfred Bader's office manager to HCB informing him when Bader would respond to HCB's letter

Photocopies of letters to HCB about the celebration from his son and grandchildren, addressing him as Chaim and Saba, respectively

Copies of HCB letter to family and friends *after* the celebration

Letter of appreciation from HCB to Professor E.I. Negishi for his leadership in arranging the celebration, with mentions of now-renowned associates who attended and with remark of regret about Steven C. Beering's absence from the occasion

Exchange between HCB and Albert C. Finhold, including letter of regret from Albert C. Finhold to HCB about missing the celebration for health reasons (the letter gives several historical anecdotes about HCB in Chicago days); letter of response to Finhold from HCB giving clarification of work/team-building decisions at the University of Chicago; letter of response from Finhold to HCB full of anecdotes about Finhold's time, studies, and work at Purdue, his departure to Chicago, and his curiosity about HCB's move to Wayne

Letter of regrets/congratulations to HCB from S. Sivaram

Letter of regrets/congratulations to HCB from Bruce A. Carlson, DuPont

Letter of thanks for fine event from Arno and Blossom Cahn
Report of Royalties from Sale of Borane Patents in 1972 to the Aldrich
Chemical Co. (\$1.6m from 1982-90)
Handwritten letter from HCB to Clint Lane regarding plans for donations
to Purdue and how they should be used

Hanging folder 4, 1997

“Videos,” contains letters of thanks for the videocassette sent out after
HCB’s celebration; typed video mailing list; handwritten list of
intended recipients

“Video-Cassettes,” contains checklist for celebration activities attendee
participation; thank you letters; addresses on handwritten list; HCB
letter to accompany videocassette mailing

Hanging folder 5, 1997

“HCB Lectures Replies: Can’t make it,” contains letters about 85th birthday
celebration, greeting cards, and lecture/symposium brochures

Loose file, 1997

“Neil Gordon, Madeleine Jacobs Ed. C.E. N.,” contains email exchanges,
Chemical Engineering News

Hanging folder 6, circa 1998

“Photos of HCB and Nobel Medals,” contains color photos of the Herbert C.
Brown Medal and color photos of the Nobel Prize Medal

“Chen’s Photos of Nobel and HCB Medals,” contains color photos and color
copies of medal photos

Hanging folder 7, circa 1998

California-Pacific Lab and Consulting/Ron Najafi

Loose file, 1999

“Aldrich/Chem. Eng. News,” contains a group of email exchanges over the
magazine’s failure to list Aldrich in their top 75 companies list; June 7, 1999,
issue of *Chemical & Engineering News*, email photocopies

Hanging folder 8, 1997

“HCB Medal,” contains correspondence, two-dimensional prototypes of HCB
medal

Hanging folder 9, 1997-1999

HCB medal, “ACS 1998 National Award Winners,” contains list of award
winners from *Chemical & Engineering News*

“ACS H.C. Brown Medal and Award (Aldrich),” contains photocopies of Brown’s personal check to American Chemical Society for HCB Award

“HC Brown Medal,” contains photocopies of facsimile transmitted from HCB to Clinton Lane

Loose file, 1996-1997

Miscellaneous correspondence from HCB

Hanging folder 10, 1997

“Chem. Eng. News Neil Gordon; HCB Medal,” contains photocopies of *Chemical & Engineering News*; copies of September 15, 1997 issue of *Chemical & Engineering News*

Hanging folder 11, 1997-1999

“Finances H.C. Brown Medal and Award,” contains correspondence from the *American Chemical Society* regarding receipt of Sarah Brown’s donation to the HCB Medal endowment; correspondence regarding donation of \$5,000 prize of HCB’s to Borane Research Fund at Purdue; document establishing an HCB endowment fund by ACS

Hanging folder 12, 1997

“Correspondence with *Journal and Courier* for Permission to Publish,” contains correspondence between HCB and the newspaper, seeking permission to publish a *Journal and Courier* cartoon elsewhere

“Sarah’s correspondence with Jack Roberts, Istvan Hargittai, Joe Burnett,” contains letters from Sarah B. Brown regarding the controversies surrounding HCB’s work on steric strains and nonclassical ions

Hanging folder 13, 1978; undated

“Sarah’s Letter re: HCB Introduction to ‘Remembering Herb’ ” contains copies of Sarah’s writing for the memoir of HCB, which was published in 1978

“Sarah’s Letter to Jack Roberts, letters with Istvan Hargittai and Joe Burnett,” contains copies of correspondence

Hanging folder 14, 1997-1998

“Álfred Bader HCB Medal,” contains correspondence between Ei Ichi Negishi and Alfred Bader

“Chemical Intelligencer. Hargittai,” contains correspondence regarding publication of the HCB cartoons

Hanging folder 15, 1997-1998

“Alfred Bader,” contains original and copies of a letter from Alfred Bader to Sarah Brown regarding publication of her letter in the *Chemical Intelligencer*

“Sarah’s Correspondence with Jack Roberts, Isvan Hargittai, Joe Burnette,” contains handwritten copy of Sarah’s letter defending HCB and photocopies of related correspondence

Envelope, 1998, titled “Sarah’s Letter to Jack Roberts Excess Copies” contains photocopies of Sarah’s letter

“Sarah’s Correspondence with Jack Roberts, Isvan Hargittai, Joe Burnette” contains duplicates as seen in other files, plus a photocopy of the *Chemical Intelligencer* article in question and a letter between HCB and Jack Roberts with Roberts’ reponse

Loose file, 1999, holds photocopies of SBB’s letter to the editor of *Chemical Intelligencer*

Hanging folder 16, 1997-1998

“H.B. Hass. Beginnings of Organic Research at Purdue University,” contains HCB memo to colleagues regarding history of Purdue program; photocopy of H.B. Hass typed history

Hanging folder 17, 1997-1998

“Abstracts for Award Symposium, Dallas, TX 3/29/98,” contains photocopies of the *American Chemical Society*’s 215th National Meeting and abstracts of speakers on boron-related research

Envelope, 1998, contains white paper printout of slides from Bahthan Singaram’s presentation at the Dallas meeting

Envelope, 1998, contains white paper printout of slides from P.V. Ramachandran’s presentation at the Dallas meeting

Envelope, 1998, contains the color slides on white paper printout from Donald S. Matteson’s presentation at the Dallas meeting

Envelope, 1998, contains the white paper printout of slides from HCB’s presentation at the Dallas meeting

Hanging folder 18, 2000

“Eli Lilly – Enhanced Prozac,” contains one direct mail piece from Lilly mailed to Sarah Brown telling of political climate for pharmaceutical R&D; photocopy of Lilly newspaper article on Zyprexa and Prozac; newspaper clipping of article

Untitled file, 2000, contains *Journal & Courier* newspaper clipping of Lilly's expense to protect Prozac's patent; newspaper clipping of *Wall Street Journal* article on Lilly's fight to keep Prozac patent intact

Hanging folder 19, 1998-1999

"Prozac – News Stories," contains assorted newspaper clippings

Hanging folder 20, 1998

"Eli Lilly Prozac Case (Days Spent)," contains correspondence, invoice, and envelope with check from law firm all regarding a lawsuit against Lilly in Indianapolis for which HCB provided expertise [Note from SM: need to check if this should be restricted, if there was a lawsuit with confidential proceedings]

"Editing of Transcript of Deposition of October 16 and 20, 1998," correspondence of HCB and Lilly's law firm and copy of HCB deposition

"Eli Lilly Prozac Case Correspondence," contains correspondence between HCB and Lilly's law firm regarding HCB's hire as a consultant and the work undertaken by HCB, including reports by other experts

Hanging folder 21, 1998

Transcripts of HCB's testimony in the Lilly Prozac/Barr case **Restricted** and moved to box 117

Hanging folder 22, 1999-2000

"Kevin Cullen," contains proposal of *Journal & Courier* article by Ei Ichi Negishi and related correspondence, biographical materials [2 folders]

"Kevin Cullen Dec. 1, 1999, article" contains newspapers with final version of proposed article

"Multiple Copies," 2000, contains research journal article titled "The Art and Science of Total Synthesis"

Hanging folder 23, 1979-1998

"Eli Lilly Prozac Patents and Publications," contains copies of articles, patents, news accounts

Paper folder:

"Literature Dealing with Prozac Case," 1969-1998, contains research materials pertinent to Lilly Case

Box 80
Shelf 5.6

Books, 1971-1998

Le Prix Nobel annuals, 1978-1985, 1991-1993, 1996-1998; Nobel Prize-related books 1985-1993; books on Dow Chemical; assorted international books of commemoration; books on synthesis; press catalog and football program

Box 81

Academia De Artes Y Ciencias, Puerto Rico, undated
American Chemical Society Medal, 1976 (2 medals)
Golden Jubilee Science Degree Program, Chulalongkorn, 1984
Joseph Priestley Medal, American Chemical Society, 1981
Kyunghee University (2 medals with Oughtopia GCS, bolo tie), undated
L. J. Beckham Memorial Lecturer Medal, November 11, 1983
Linus Pauling Medal, ACS (American Chemical Society) for Outstanding Achievement in Chemistry, 1968
XXIII Reunion Bienal De La R.S.E.Q., Salamanca, 1990
National Academy of Sciences Centennial Medal, 1963
Perkin Research Medal for Outstanding Work in Applied Chemistry, February 12, 1982
Roger Adams Medal, American Chemical Society, June 15, 1971

Box 82

750 Lecie Miasta Torunia, 1233-1983
American Institute of Chemists, 1985
Chemical Society Centenary Lecture Ship, 1955
Christopher Ingold Lecture, Chemical Society, 1978-1979
City College Chemistry Alumni Award for Scientific Achievement, 1976
Cliff S. Hamilton Award in Organic Chemistry, undated
Herbert C. Brown Medal of the American Chemical Society, for Creative Research in Synthetic Methods, 1998
Institute of Chemistry Academia Sinica, 1956 [horse on verso]
Institute of Chemistry Academia Sinica, 1956 [panda on verso]
National Academy of Sciences Award for Innovative Research in Chemical Sciences, 1987
National Medal of Science, Awarded by President of United States of America, 1969
SOCMA (Synthetic Organic Chemical Manufacturers Association of the United States) Award for Creative Research in Organic Chemistry, 1960
Universidad Nacional Autonoma De Mexico, 1979
Universitas Studii Paduani, undated
William H. Nichols Medal, New York Section of the American Chemical Society, 1959

Box 83

100 Jahre Beilsteins Handbuch Der Organischen Chemie, 1881-1981
American Chemical Society, Auburn Section Award for Scientific Distinction, 1987
Charles Frederick Chandler Medal, 1973

Chemical and Engineering News Top 75 Award, August 23, 1988
Einstein Medal, Jewish Academy of Arts and Sciences, 1986
Elliott Cresson Medal, awarded by the Franklin Institute of the State of Pennsylvania,
1978
Japanese Pharmaceutical Society, 1982
Medal of Culture from China, 1980
National Library of Medicine, Service to Mankind, Honor to America,
Sesquicentennial Commemorative Award, 1986
Nicolai Copernicus University Medal, undated
Phi Lambda Upsilon Key, H.C. Brown, Honorary Member, 1961
Nobel Prize in chemistry, 1979

Box 84

PhD Theses and Bibliographies, 1977-1982
PhD theses overseen by HCB, 1977-1982
Bound copies of bibliographies on Hydroboration compiled by Mark Zaidlewicz

Box 85 OVS Contents: Oversize Materials

Research reports and bound paper slide shows, 1991-1996

Box 86

Work files, 1962-2000
Correspondence for Brown² licensing agreements for apparatus invented by HCB and
son, marketing discussions, sales and royalty reports, 1962-1970
Annual chemistry/HCB reports to the university president, 1983-1995
HCB publications, numbers 1200-1264 (HCB's oral history, #1203)
Manuscript of *The Nonclassical Ion Problem*, 1976
Article, "The Development of a Truly General Asymmetric Synthesis", ca. 1986
Correspondence regarding proposed Nobel Laureate book to which HCB agreed to
contribute, 1986
Correspondence regarding the establishment of the HCB Center for Borane Research
at Purdue University

Box 87

Work files, 1982-2000
Patent materials and manuscript chapters, 1982-2000
Application drafts and revised drafts, patents pending, pertinent correspondence, and
applications granted, letter from HCB to Charles Brown regarding patents,
chapters of *Organic Synthesis*

Box 88

Work files, circa 1960s-1980s
Literature searches, HCB paper, a student travel memoir, circa 1960s-80s

Box 91 OVS Contents: Oversize Materials

Work and student files, 1938-1991

- Patents, security clearance documents, and government documents regarding secret defense projects on High Energy Fuels (now declassified, unrestricted)
- Student journals from University of Chicago
- Manuscripts by HCB
- Brown's personal security questionnaire for participation in preparation of volatile compounds of uranium, 1942
- Journals from two female students in Chem 438 at University of Chicago, 1942
- Correspondence and copies of patent applications/patents, 1950-1970s
- Manuscript and bound research reports by HCB and Swansea scientists, 1987

Box 92

Work files, 1949-1996

- Patent cases, 1987-1994
- Printed patents issued 1949-1964
- Merck self-publicity book, 1968
- Bound book of cases, 1990-1992; one patent issued 1996

Box 93a

Work files, 1955-2000

- Correspondence between HCB and Purdue President Frederick Hovde about intellectual property and the Purdue Research Foundation policy
- Consulting records
- Patent correspondence (some involving Schlesinger)

Box 93b

Work files, 1963-1977

- Original drawings of Brown's gasimeter
- Papers regarding rights to manufacture both the gasimeter and boranes, primarily correspondence with different manufacturers exploring the possibilities of production
- Catalogs for chemical production and glass

Box 94

Work files, 1994-2004

- Army Science and Technology and Master Plan(s), 1994-1996
- Distribution notice/list and individual correspondence files for distribution of HCB tribute book, some research materials from Brownians, 1995-2004

Box 95

Books, 1970-1975, 1986, 1991-1993

- Series on modern synthetic methods, a biography, conference proceeding, a Japanese comic book, a career retrospective, and organic chemistry books

Box 96

HCB-led dissertations, 1967-1971
+*Indiana Academy of Science Proceedings*, 1968

Box 97

Patent applications and correspondence, 1986-1992
Dissertation by Paul vR. Schleyer, Harvard, 1956

Box 98

Manuscript box, "Army Symposium," 1995
"Organic Synthesis via Boranes, vol. 3," manuscript by HCB and Akira Suzuki
Correspondence between HCB and assorted scientists regarding Norbornyl problem, 1974; two masters and one doctoral thesis from University of Manchester, England students, 1969-1972

Box 99

Work files, 1984-2003
Final reports, assorted bound borane topical reports/seminars
Nomination papers for Akira Suzuki for Nobel, 2003 **Restricted** and moved to box 117
Bound volume of *Chemical and Engineering News* in which HCB was listed in top 75 contributors in world and related news stories/ biography by Sarah Brown, 1998
Abstracts, 2003
White House invitation, declined
HCB lecture series programs, 1984-2003
Partial manuscript, "Organoborane Synthesis via Boranes, volume 3"

Box 100

Dissertations of HCB students, 1973-1975
Manuscript boxes containing borane royalty records, 1972-2000

Box 101

Reprints of HCB's article #1246, dated 2000

Box 102

HCB-led theses, Manchester, 1970-1974
Army Jr. Science Symposium Materials, 1995

Box 103

Books on asymmetric reactions, 1971-1993

Box 104

Work correspondence, 1957-2002

Box 105

HCB-led dissertations, 1975-1979

Box 106

Reprints of HCB's article #1227, dated 1998

Box 107

Handwritten manuscript, typescript, galley proofs for *Organic Synthesis via Boranes*, undated

Box 108

Reprints of journal articles written by HCB, number 1223, undated

Box 109

Reprints of HCB's article #1226, dated 1998

Box 110

Work files, 1973-1974

Handwritten original plans for gasimeter

Draft manuscript of organometallic reagents book and galley proofs

Lab preps handwritten, lab procedural materials

Box 111

Leather portfolio filled with work and personal files, circa 2001

Personal correspondence

Travel itineraries

Marketing materials

Charitable organization appeals

Speaking invitations

Trade journals

Aldrich correspondence regarding patents, royalty designation, support of Purdue
Chemistry Department

National Science Foundation reviews

2001 American Chemical Society national meeting plans (Chicago), program, bound
abstracts, and travel plans

Encomium to HCB by Derek A. Davenport, introductory speech by Sarah B. Brown
for Davenport

Materials regarding 2001 Nobel Laureate Centennial

Box 112

Final reports, manuscript, and working papers, also patent information, 1964-2001

Copies of journals

Correspondence

Three final reports (2001)

Organic Synthesis via Boranes, Volume 3, by Akira Suzuki and HCB

Box 113a

HCB's notebooks, circa 1940s

Notebooks contain research and publication plans, lists of publications sent out, lists of research grants

Box 113b

Lab notebooks by HCB's students at Wayne State and Purdue University, circa 1940-1950s

Box 114

Books, HCB publications, and HCB outlines, 1936-1993

Assortment of symposia, journal, and biographical/reference books, a volume of *Boranes in Organic Chemistry*, an untitled volume on hydroboration

Handwritten lecture outlines and notes on resonance, non-classical ion outlined, steric strains, boranes

Box 115

Work files, 1969-1972

The Non Classical Ion Problem manuscript and individual chapters

General work files, chemical periodical, 1969

Box 116

Two brief cases with files

Box 117 RESTRICTED Materials

Employment papers and materials

Transcripts of HCB's testimony in the Lilly Prozac/Barr case (from box 79)

Nomination papers for Akira Suzuki for Nobel, 2003 (From box 99)

Project HEF (high energy fuel), 1956-1957; Project ZIP, 1953-1959 some copies signed by HCB (From box 216)

Nominations materials for Suzuki, Negishi, et al., ca. 2003 (From box 343)

Work files, periodicals, loose papers, 2001-2002

Correspondence, travel materials, newsletters, miscellaneous articles

Marketing materials, journals, popular news magazines, advertising material

Box 118

Typewritten, proofread galleys of *Organic Synthesis via Boranes*, 1974

Box 119

Holiday correspondence, 2000-2001

Box 120

Work files, 1973-2004

Royalty records, 2001-2004

Symposium information, correspondence, travel information, photos

Thesis, final report by HCB students

HCB publication, *Chemistry of Organoboranes*

Photos of HCB's students at OMSCO symposium, 1995

Box 121

Work files, ca. 2000

Publications, HCB's articles #1200-1300

Ne

gishi manuscript, 2000

Lecture slides, 2000

Correspondence

Aldrich research reports

Box 122

Articles written or co-authored by HCB, #1101-1200, dated 1991-1996

HCB-led dissertations, 1955

Box 123

Work files, 1970-1994

Bound Purdue Organic Seminar materials, 1972-1990

Final Reports, 1977-1994

MA thesis from Manchester student, 1970

Box 124

Work files, 1955-1975; 2002

Lab reports from Wayne State student working on olefins

Lab reports by Subba Rao on hydride reductions, March 1955-March 1975

Correspondence, memorabilia, 1955-1960s (includes one 2002 ACS publication)

Correspondence with German professor Walter Hückel

Box 125

Box of assorted materials, 1995-2003

Multiple copies of "Sixty Years" handout

Assorted science periodicals

Research reports

Departmental materials (directory, announcement, etc.)

Negatives and slides for humorous commemorative HCB mug

Aldrich royalty reports from three quarters in 2003

Correspondence, travel records, and speech from ACS meeting in Chicago, 1995

Box 127

PhD theses overseen by HCB, 1949-1952, 1976-77

Box 128

Final Reports by HCB students, including one handwritten one by Negishi, 1952-1995

Box 129

Work files, 1995-2001

Publication submissions

- Business and personal correspondence
- Bulletins from chemical companies
- Research article reprints
- Newspaper clippings
- Professional organization publications
- Travel papers
- Post-doctoral letters of application
- Symposia papers
- Borane Center plans

Box 130

Work files, 1978-2002

- Business and personal correspondence
- Research articles and periodicals, popular and scientific
- Coworkers publications list
- Slide printout (comb-bound)
- Publication request letters
- Newspaper clippings
- Chemistry text book
- Speaking invitations
- Nobel Jubilee papers
- Revision requests
- Conference registration materials and itineraries
- University wide and departmental communications
- Photographs of HCB and bust of his likeness
- Royalty projections and valuations

Box 131

Work files and publications, 1950-1998

- Final reports, 1976-1985
- Masters and doctoral theses, 1976
- Assorted books on science and math-related topics, 1950-1998
- Bound literature review/research report on organoboranes by Welsh students
- American Chemical Society's "Luminaries of the Chemical Sciences," 2002
- Industrial brochures on aluminum alkyls in organic synthesis, 1969-1978
- Complimentary research report by David Ginsburg, 1975-1980
- Experts' reports (which HCB answered for Lilly) regarding disputed patent issues over fluoxetine between Eli Lilly and Barr Laboratory, 1998 [Note: check to see if needs to be restricted]

Box 132

Work files, circa 1993-1994

- Correspondence
- Research proposals
- Reviews by HCB
- Works in progress

Lists of publication plans
Slides
Final reports
Research articles
Departmental memoranda

Box 133

Work files, circa 1977-1990
Research reports
Bound topical literature reviews
Engineering periodical
Articles about borane research
Handwritten letters (includes 40-page NIH rebuttal in HCB's hand)

Box 134

Two leather portfolios containing working files, 1997-2000

Box 135

Work files, 1960 – 2000
Manuscript (with corrections) of *Organic Synthesis via Boranes*, volume 3
Patents, bill of patent sale (to Aldrich), legal papers concerning Aldrich's agreement for patent use, Aldrich technical papers ca. 1960s-70s
Research articles
Symposium reports
Journals (including Middle East peace journal), books
Presentation slides (paper copies)
Bound reviews
Bound manuscript
Progress reports, circa 2000

Box 136

Work files, 1963-1997 [bulk 1990s]
Itineraries and travel correspondence, 1963-1997
Dissertations, publications (including one written by C.F. Lane, Aldrich chief, one anti-apartheid letter soliciting HCB support as Nobel Laureate), 1967-1992
Final reports, 1978-1979
Index cards listing HCB publications accepted and submitted
Text, *Essential Organic Chemistry for Students of the Life Sciences*, inscribed by Welsh co-author to HCB and Sarah Brown, 1980
Assorted research literature, conference programs
Page proofs by HCB (Nonclassical Ion Problem manuscript)
Lectures

Box 137

College texts, lab notebooks, and 16mm film, 1928-1960 *fragile*

HCB's notebooks from Crane Junior College, City College Chicago, Wright Jr.
College, Lewis Institute
Riva Brown's early college notebook
HCB's rhetoric and composition notebook
Graded essays, 1925-1938
Film reel labeled "HCB CON1; Classroom - #138 - 2/27/60 - #383 Chemistry/ Air
(?),4/27/60," film shot by NBC of HCB in classroom, 1960

Box 138

Work files, 1989-1994
A-D files, 1992-1994
Office of Naval Research correspondence
Recommendation requests
National Academy of Sciences and National Science Foundation publications
Personal correspondence
Research notes, projects, and interests
Borane Research Fund records
Patents
Grants
Aldrich correspondence and quarterlies

Box 139

Work files, 1988-1994
Research article reprints
Personal, departmental, and professional correspondence
Award nominations
Newsletters
Photograph of HCB at a conference
Journals
Current manuscript/publications
Newspaper clippings and newspapers
Progress reports
Travel itineraries
Speaking invitations

Box 140

Two canvas portfolios, 1998; 2002
"BankOne" portfolio, 1998
Work papers
Business and personal correspondence
Newsletters, scientific articles, periodicals

"Concourse" portfolio, 2002
Work papers

Business and personal correspondence
Certificate of long life printed in gold
Publications in progress
Periodicals
Biographical monograph

Box 141

Work and personal files, 1981-1998

Personal correspondence, e-mail, Purdue memos
Travel literature and itineraries
Newspaper clippings, newsletter
Research applications (proposals/renewals)
Trade magazines, professional affiliations materials
Departmental and faculty memoranda
Refereed reports of HCB publications and by HCB for journals
Photos of HCB research group, 1992
Slides and slide presentations
Photocopied blueprints, Westminster, lot #15
Records of Organic Cumulative exams
Photocopied group photos of HCB groups outside Wetherill

Box 142

Work files in two tote bags, 2002-2003

Correspondence
Magazines
Slide programs (on paper)
Itineraries,
Symposia brochures and invitations
Report of quarterly royalties from Aldrich

Box 143

Three portfolios, in 3 tote bags, 1994-2000

Current science reading (trade magazines)
Personal and professional correspondence
Slide printouts
Publication instructions and review materials
Manuscripts for editing
Research article reprints
Travel itineraries
Marketing materials
News articles

Box 144

Work files, 1972-1998

Personal and professional correspondence
Travel literature and itineraries

Departmental communications
Research accounting for government funded projects
Invitations, recommendations, reading folder
Symposia notices
Lists of publications 1991-1996
Reprint request
Financial Summary Status Report
Writings by Alfred Bader
Letter to Nina Roescher
Chemistry Department management accounting reports
History of first PRF project

Box 145

Work files, 1994-1999
Project reports, progress reports
Business and personal correspondence
Research article reprints
Travel correspondence and itineraries
Manuscripts for publication
Royalty reports
Research funding reports
Patent research/verification correspondence
Research applications
Newsletters
Departmental memoranda
Poster session abstract
NIH proposals, grants

Box 146

Work files, 1992-1993
Correspondence
Travel itineraries
Research manuscripts
Colloquium brochures
Seminars
Son 21 celebration
Former students

Box 147

Books, 1980 – 2003
Debris, 1980
Who's Who in Scientific Engineering, 1992-93 & 2002-03
Who's Who in the World, 1991-92
Who's Who in America, Vols. 1-3, 1999

Box 148

Reprints of HCB's journal articles #651-1200, dated 1976-1996

Box 149

Two leather portfolios containing work files, circa 1997-2001

“Trips and Lectures in Progress” portfolio, circa 2000-2001

Trade journals, correspondence, popular news magazines, professional organization materials, financial and charity memoranda, research group lists, publications, travel itineraries, tickets, etc.

“Hydroboration” portfolio, circa 1997-2001

Trade journals, travel information, bound abstract, popular magazines, correspondence, softbound biography inscribed to HCB by colleague, manuscripts in submission, reprints of research reports, reprint order forms, 1997 draft in HCB's hand “Improved Procedures for the Generation of Diborane” and subsequent publication, registration papers for 2000 meeting of Nobel Laureates in Lindau, Germany, etc.

Box 152

Work files and article reprints, 2001-2003

Typed manuscript by Swansea authors, undated

Reprints of article #1191, undated;

Personal correspondence (with Charles Brown, estate consultants, etc.)

Congratulations on HCB's 90th birthday

Centennial Nobel celebration

Newspaper clippings

Business correspondence

Annual report

Box 153

Two leather portfolios containing work and personal files, circa 1995-1998, 2000-2001

Portfolio with brown handle, 1996-1997

Personal and business correspondence

Army Research Office progress reports

HCB publications

In-process manuscripts

Itineraries

Trade publications

Marketing brochures

Solid black portfolio, 1997-2000

Personal and business correspondence

Army Research Office progress reports

HCB publications

In-process manuscripts

Itineraries

Trade publications

Marketing brochures

Recruitment of Akiro Suzuki for volume 3
Photos of HCB and Sarah Brown taken by Suzuki at 90th birthday event
University of Chicago alumnus survey filled out by HCB and Sarah Brown
Letters of recommendation
Expert valuation papers for patent sales to Aldrich by HCB
Research proposals for HCB
Journal articles

Box 154

Lecture notes and slides, circa 1970s – 1991
Binders with lecture notes
Correspondence between university and Sarah Baylen Brown Foundation indicating her financial contributions to preserving lectures

Box 155

Work files, circa 1970-1989
Paper printouts of slides on all aspects of Borane chemistry, by HCB
Slides and photographic negatives of slides
Histories of borane research by HCB, circa 1982
Bundled research reprints by Asian authors from international representation of chemical journals
Editorial reviews of HCB article submissions
Miscellaneous correspondence

Box 156

Reprints of journal articles written by HCB, 1986-1991
Partial manuscript of *Organic Synthesis Via Boranes*, Volume II, Chapters 7-8 sent to HCB from Mavek Zaidlewicz in Poland
Four videos of different lectures in the HCB Lecture series, 1986

Box 157

Dissertations, 1972-1973
Ravindran, Nair N. *Chloroboranes as new Reagents for Hydroboration and Selective Reductions*, August 1972
Schubert, Richard Mark. *Solvolysis of and Additions to Benzonorbornen-2-YL Derivatives Containing Deactivation Substituents in the Benzo Portion of the Molecule*, January 1972
Sivaram, Swaminathan. *Structural and Solvent Effects in the Solvolyses of Secondary β -Arylalkyl Arenesulfonates*, January 1972
Buhler, Jerry Dean. *New Alkylation Reactions of Organoboranes*, December 1973
Burke, Patrick Lee. *Cyclic Hydroboration of Dienes*, May 1973
Carlson, Bruce Arne. *The Base-Induced Reactions of Trisubstituted Methanes with Organoboranes*, December 1973

Box 158

Reprints of research articles by HCB, #102-106, 1113-1115, 1117-1118, 1124-1125, 1127, 1028, 1030-1032, 1135-1136, 1145-1146, undated
Boranes in Organic Chemistry, chapters 12-20, and extra copies of figures in *BIOC*

Box 159

Lecture notes and slides, circa 1970s

Box 160

Reprints of journal articles written by HCB, # 1128-29, 1131, 1150-1151, 1153-1154, 1162-1166, dated 1992-1994
Slide printouts of lectures, including Nobel Lecture, norbornyl slides, organoboranes A-Z, hydroboration of acetylenes, nonclassical ion problem (3 versions), circa late 1970s-1983

Box 161

Two leather portfolios containing work and personal files, circa 1980s–1996
Manuscript, *Organic Synthesis via Boranes*, Volume 2, 2001
Correspondence between HCB and his sister

Box 162 OVS Contents: Oversize Materials

Partial manuscript, printed books, and boxes of journal reprints by HCB, 1995-2000
Organic Synthesis of Boranes, partial manuscript of the book (chapters 1-6)
Reprints from journal articles, 1995-1999

Box 163

Two leather portfolios containing work files, 1995-1996

Box 164

Manuscripts, duplicate copies of vol. II, *Organic Synthesis via Boranes*
Leather portfolio containing work files, 1988-1995
Research group memoranda
University annual report
Graduate school recruitment brochure
Research article manuscript for publication
Various university and departmental publications, memos, newsletters
Scientific journals
Correspondence with National Institutes of Health

Box 165

Work files, 1989-1996
Black leather portfolio containing research articles, manuscripts for publication, professional and international correspondence, 1989-1993
Brown leather portfolio containing personal and professional correspondence, departmental memoranda, 1993-1996

Box 166

Manuscripts, *Organic Synthesis via Boranes, Volume II*

Work files, 1977-1993

Research work on boranes, hydrologation, hydroboration

Correspondence regarding computer equipment recommendations for Chemistry
Department at Purdue

Box 167

Work files, 1990-1992

Box 168

Work files and periodicals, 1968-1993

M-Z hanging file folders, 1968-1982

Correspondence, research reprints, articles for publication, manuscripts

Unlettered hanging file folders, 1991-1992

Aldrich chemical lists, HCB royalty records

Various technical bulletins, magazines, publications, correspondence, brochures of
socio-political issues, stereoscope, departmental abstracts, science journals,
1985-1993

Box 169

Final Reports, B-G, circa 1980-1995

Box 170

Bound final reports by HCB's students, names ending in G-K, 1954-2001

Box 171

Original, bound copies of final research reports, K-M, circa 1960s-1992

Reports submitted to HCB by postdoctoral fellows and research assistants with names
ending in K, L, and M

Box 172

Final Reports submitted to HCB by postdoctoral fellows and research assistants with names
ending in P-R, 1966-1994

Box 173

Final Reports, letter S, by HCB's students, 1961-1999

Box 174

Final Reports submitted to HCB by postdoctoral fellows and research assistants with names
ending in R-Z, 1954-1997

Details of resolution of problematic researcher by HCB

Box 175

Work files and book, 1979-2001

Final Reports
Book of 1979 Nobel Prize winners

Box 176

Reprints of publications about HCB in various Purdue outlets and loose materials, 1978-2000
Newsletters, correspondence, departmental communications, trade and popular
magazines, trade association news publications, Purdue science retrospective
Fujita Museum 1985 calendar with charcoal drawing of HCB by R. Rao taped to front

Box 177

Periodicals, news articles featuring HCB, 1979-2000
Magazines, journals, newspapers, campus directories featuring HCB

Box 178

Programs from the HCB Lecture Series, 1996-2005

Box 179

Programs from HCB Lectures in Organic Chemistry programs, 1984-1995
[incomplete: 90, 95 not there]

Box 180

Books authored by or relating to HCB, 1962-1982
Published lectures given in England, Czechoslovakia, Rome, Korea
Remembering HCB
Men of Achievement, 1974

Box 182

Card catalogues of HCB publications and index box of Final Reports, circa 1950s-1970s
Conference proceedings, bound lectures from National Academy of Sciences, assorted
journals, 1955-1977

Box 183

Boxed laboratory equipment, circa 1964
This box contains one Brown² Micro Hydro-Analyzer

Box 184

Boxed laboratory equipment, circa 1964

Box 185

Boxed laboratory equipment, circa 1964
This box contains one Brown² Micro Hydro-Analyzer with an instruction booklet,
"Operating Instructions for the Brown² Hydro-Analyzer," undated

Box 186

Boxed laboratory equipment, one stirrer, undated

Box 187

Shelf 14.5

Reprints HCB-led dissertations, 1946-1951

Box 188

Dissertations of HCB's students, 1941-1953 (includes first PhD that he directed)

Box 189

Dissertations of HCB's students, 1952-1955

Box 190

Dissertations of HCB's students, 1956-1966

Box 191

Dissertations of HCB's students, 1956-1961

Box 192

HCB-led dissertations, 1955-1956, 1961-1962, 1965-1966

Box 193

PhD theses overseen by HCB, 1962-1964, 1967-1968

Box 194

Dissertations of HCB's students, 1967-1969, 1972-1973

Box 195

Dissertations of HCB's students, 1970, 1972-1975, 1978

Box 196

Dissertations of HCB's students, 1952-1953, 1955, 1973, 1975-1976, 1978

Box 197

Dissertations of HCB's students, 1972, 1976-1977, 1979, 1981-1982

Box 198

PhD theses overseen by HCB, 1964, 1966-1968, 1967-1968, 1970-1972

Box 199

Two plastic carrying cases of lab apparatus, undated

Box 200

HCB's books, 1971-1976

Hydroboration (with Charles Brown inscribed in front)
The NonClassical Ion Problem
Boranes in Organic Chemistry
Organic Synthesis via Boranes

Box 201

Reprints of journal articles written by HCB, #1-11, 1938-1940

Box 202

Reprints of journal articles written by HCB, #12-21, 1941-1942
Organic Synthesis via Boranes

Box 203

Reprints of journal articles written by HCB, # 22-32, 1942-1945

Box 204

Reprints of journal articles written by HCB, #33-43, 1945-1948

Box 205

Reprints of journal articles written by HCB, #44-54, 1948-1950

Box 206

Reprints of journal articles written by HCB, #55-63, 65, 1950-1951

Box 207

Reprints of journal articles written by HCB, #64, 66-74, 1951-1953

Box 208

Reprints of journal articles written by HCB, #75-84, 86, 1953

Box 209

Reprints of journal articles written by HCB, #85, 87-95, 97, 1953

Box 210

Reprints of journal articles written by HCB, #96, 98-106, 108, dated 1953-1954

Box 211

Reprints of journal articles written by HCB, #107, 109-118, 1954-1955

Box 212

Reprints of journal articles written by HCB, #119-126, 128-129, 1955

Box 213

Reprints of journal articles written by HCB, #127, 130-139, 1955-1956

Box 214

Reprints of journal articles written by HCB, #140-150, 1956

Box 215

Reprints of journal articles written by HCB, #151-160, 1956

Box 216

Various publications and reports, 1953-2001

Biographical tributes to HCB, 1978-2001

Classified reports from the Department of the Navy on secret projects.

RESTRICTED. Moved to Box 117

Project HEF (high energy fuel), 1956-1957

Project ZIP, 1953-1959 some copies signed by HCB

HCB publications, #301-500; 801-900, dated 1963-1971, 1981-1983

Box 217

Lectures, slides, and speeches given by HCB, 1980-1990

HCB Lecture bulletins, 2002

HCB's senior high school scrapbook, 1928-1929

Box 218

Two brief cases.

Box 219

Reprints of journal articles written by HCB, #9, 200, 1958

Box 220

Reprints of journal articles written by HCB, #203-207, #209-210, 1959

Box 220a

Article reprints #12, #201, #202, #212 and a galley proof entitled *Organic Synthesis Via Borbanes*

Box 221

Reprints of journal articles written by HCB, 1957-1958

Box 222

Reprints of journal articles written by HCB, #171-178, 1957

Box 223

Reprints of journal articles written by HCB, #161-170, 1956-1957

Box 227

Reprints of journal articles written by HCB, #208, 211-221, 1959

Box 228

Reprints of journal articles written by HCB, #222-226, 229-234, 1959-1960

Box 229

Reprints of journal articles written by HCB, 1960-1961

Box 230

Reprints of journal articles written by HCB, #243, 245-252, 255-256, 1961

Box 231

Reprints of journal articles written by HCB, #259-267, 269, 1961-1962

Box 232

Reprints of journal articles written by HCB, #257-258, 268, 271-278, 1961-1962

Box 233

Reprints of journal articles written by HCB, #253-254, 279-288, 1961-1962

Box 234

Reprints of journal articles written by HCB, #284, 289-294, 297-300, 1963-1964

Box 235

Reprints of journal articles written by HCB, #295-296, 301-309, 1960s

Box 236

Reprints of journal articles written by HCB, #310-320, 322, 1964

Box 237

Reprints of journal articles written by HCB, #321, 323-333, 1964-1966

Box 238

Reprints of journal articles written by HCB, #331, 334-346, 1965-1966

Box 239

Reprints of journal articles written by HCB, #342-343, 346-354, 1966

Box 240

Reprints of journal articles written by HCB, #366-376, 1967

Box 241

Reprints of journal articles written by HCB, #366-376, 1967

Box 242

Reprints of journal articles written by HCB, #377-387, 1967

Box 243

Reprints of journal articles written by HCB, #388-398, 1967-1968

Box 244

Reprints of journal articles written by HCB, #399-409, 1968

Box 245

Reprints of journal articles written by HCB, #410-420, 1968

Box 246

Reprints of journal articles written by HCB, #421-431, 1968-1969

Box 247

Reprints of journal articles written by HCB, #432-441, 443, 1969

Box 248

Reprints of journal articles written by HCB, #442-455, 1969

Box 249

Reprints of journal articles written by HCB, #453-463, 1969-1970

Box 250

Reprints of journal articles written by HCB, #466-476, 1970

Box 251

Reprints of journal articles written by HCB, #483 486-491, 493-496, 1970-1971

Box 251b

Reprints of journal articles written by HCB, 452, 493 and 496

Box 252

Reprints of journal articles written by HCB, #474, 477-482, 484, 492, 494-495, 1970-1971

Box 253

Reprints of journal articles written by HCB, #497-507, 1971

Box 254

Reprints of journal articles written by HCB, #508-517, 519, dated 1971

Box 255

Reprints of journal articles written by HCB, #518, 520-529, 1971-1972

Box 256

Reprints of journal articles written by HCB, #530-538, 540-541, 1972

Box 257

Reprints of journal articles written by HCB, #539, 542-549. 551-552, 1972

Box 258

Reprints of journal articles written by HCB, #550, 553-558, 560-563, 1972

Box 259

Reprints of journal articles written by HCB, #559, 564-572, 574, 1973

Box 259a

Reprints of journal articles written by HCB, 585, 596, 733-35

Box 260

Reprints of journal articles written by HCB, #572-583, 1973

Box 261

Reprints of journal articles written by HCB, #586-594, 1973

Box 262

Reprints of journal articles written by HCB, #595, 597-604, 606, 1974

Box 263

Reprints of journal articles written by HCB, #605-615, 1974-1975

Box 264

Reprints of journal articles written by HCB, #617-627, 1975

Box 265

Reprints of journal articles written by HCB, #628-639, 1975

Box 266

Reprints of journal articles written by HCB, #640-651, 1975-1976

Box 267

Reprints of journal articles written by HCB, #652-663, 1976

Box 268

Reprints of journal articles written by HCB, #664-675, 1977

Box 269

Reprints of journal articles written by HCB, #676-685, 1977

Box 270

Shelf 21.6

Reprints of journal articles written by HCB, #689-699, dated 1977

Box 271

Reprints of journal articles written by HCB, 1977-1978

Box 272

Reprints of journal articles written by HCB, #700-711, 1978

Box 273

Reprints of journal articles written by HCB, #724-732, 736-758, 1978-1979

Box 274

Reprints of journal articles written by HCB, #736-746, 1979

Box 275

Reprints of journal articles written by HCB, #747-758, 1979

Box 276

Reprints of journal articles written by HCB, #759-767, 769-780, dated 1979-1980

Box 277

Reprints of journal articles written by HCB, #768, 771-781, dated 1980

Box 278

Reprints of journal articles written by HCB, #782-792, 1980-1981

Box 279

Reprints of journal articles written by HCB, #793-804, 1981

Box 280

Reprints of journal articles written by HCB, #805-816, 1981

Box 281

Reprints of journal articles written by HCB, #817-828, dated 1981-1982

Box 282

Reprints of journal articles written by HCB, # 829-840, 1982

Box 283

Reprints of journal articles written by HCB, #841-851, 853, 1982

Box 284

Reprints of journal articles written by HCB, #852, 854-864, 1982

Box 285

Reprints of journal articles written by HCB, 1982-1983

Box 286

Reprints of journal articles written by HCB, #865-876, 1983

Box 287

Reprints of journal articles written by HCB, #888-898, 1983

Box 288

Reprints of journal articles written by HCB, #899-910, 1983-1984

Box 289

Reprints of journal articles written by HCB, #911-922, 1984

Box 290

Reprints of journal articles written by HCB, #923-934, 1984

Box 291

Reprints of journal articles written by HCB, #935-946, 1984-1985

Box 292

Reprints of journal articles written by HCB, #947-956, 958, 1985

Box 293

Reprints of journal articles written by HCB, 1985

Box 294

Reprints of journal articles written by HCB, 1985-1986

Box 295

Reprints of journal articles written by HCB, #969-978, 1986

Box 296

Reprints of journal articles written by HCB, #989, 993-1002, 1986

Box 297

Reprints of journal articles written by HCB, #1003, 1009, 1016, 1019, 1986

Box 298

Reprints of journal articles written by HCB, #1004-1008, 1020-1025, 1986-1987

Box 299

Reprints of journal articles written by HCB, #1026-1036, 1987

Box 300

Reprints of journal articles written by HCB, #1037-1048, 1987-1988

Box 301

Reprints of journal articles written by HCB, #1049-1058, 1988

Box 302

Reprints of journal articles written by HCB, #1059-1070, 1988-89

Box 303

Reprints of journal articles written by HCB, #1071-1082, 1989

Box 304

Reprints of journal articles written by HCB, #1083-1094, 1989-1990

Box 305

Reprints of journal articles written by HCB, #1095-1106, 1990-1991

Box 306

Reprints of journal articles written by HCB, #1107-1118, 1991-1992

Box 307

Reprints of journal articles written by HCB, #1119-1128, 1130, 1992-1993

Box 308

Reprints of journal articles written by HCB, #1129, 1131-1141, 1992-1993

Box 309

Reprints of journal articles written by HCB, #1142-1150, 1993-1994

Box 310

Reprints of journal articles written by HCB, #1154-1165, 1994

Box 311

Reprints of journal articles written by HCB, #1166-1173, 1994-1995

Box 312

Reprints of journal articles written by HCB, #1178-1188, 1190, 1995

Box 313

Reprints of journal articles written by HCB, #1189, 1191-1202, 1996

Box 314

Reprints of journal articles written by HCB, #1129-1213, 1996-1997

Box 315

Reprints of journal articles written by HCB, #1214-1225, 1997-1998

Box 316

Reprints of journal articles written by HCB, #1226-1237, 1998-1999

Box 317

Reprints of journal articles written by HCB, #1238-1247, 1250, 1999-2000

Box 318

Reprints of journal articles written by HCB, #1248-1249, 1251-1256, 1258-1261, 2001-2002

Box 318a

Reprints of journal article #874, 875, 887, 1017, 1018, 1151, 1153

Box 319

Reprints of journal articles written by HCB, #1262-1266, 1268-1270, 2002-2003

Box 320

Articles reprints for 208 and 221 (2959)

Box 321

Reprints of Aldrich HCB 75th, 1987

Aldrich flyers marketing HCB reagents, 1997

Box 322

Manuscripts and various periodicals, circa 1987-1999

Aldrechimica Acta, 1987

The Purdue Alumnus, November-December 1999

Box 323

Reprints of *Remembering HCB*, 1978

Box 324

Patents (U.S. & Canadian) granted HCB, circa 1950-1980s

Lecture slides, circa 1970-1980s

Box 325

Reprints of journal articles written by HCB, 1990-1991

Series 3: Memorabilia and Artwork (Items Donated by Charles B. Brown, 1930s-2002)

(26 cubic feet)

Universitas Nicolai Copernici, 1998 [in case, with accompanying CD-ROM on Nicholas Copernicus University]
Portfolio (Italian paper), portraits of HCB, Sarah B. Brown, Chips ('45), undated

Box 326

Medals, 1976-2000

Ambassador's Circle, World Jewish Congress, presented in honor of exceptional commitment to the protection of Jewish communities around the world, undated

"Purdue University, A Tribute to President and Mrs. Steven C. Beering," May 1, 2000

Plaques, 1968-2002

Gooch-Stephens Lectures, Baylor University, 1975

Science Society of Thailand, 1985

Purdue President's Council, Hovde Fellow, signed by Steven Beering, undated

Purdue President's Council, Distinguished Fellow, signed by Stephen Beering, undated

Ninetieth Birthday, Herbert C. Brown, from the Aldrich Chemical Company, May 22, 2002

"Adventures in Research," California State University, 31st commencement, Long Beach, California, May 30, 1980

"Asymmetric Syntheses via Chiral Organoboranes," DuPont-Marshall Lectureship, University of Pennsylvania, October 22, 1987

Purdue University logo plaque, undated

"Men of Achievement," undated

R.P. Sherer Chemistry Lecturer," University of South Florida, 1985

"Ritter-Brill Memorial Lecture," Miami University, 1987

"An Indiana Legend," Purdue Ag Alumni Association, Ag Fish Fry, January 13, 1989

"Half-Million Miler," United Airlines, undated

Visit and Special Lecture, Khon Kaen University, October 30, 1985

Badges, Label, Paperweights, Plates and Platters, 1971-1992

Cliff S. Hamilton Award, Organic Chemistry, commemorative paperweight, undated

Semicentennial, Texas Technological University, commemorative paperweight, 1973-1975

Name badge, "Herbert C. Brown, Chemistry 1979" [presumably related to receipt of Nobel Prize; "Stockholm" appears on back of pin]

Label, "Presented on December 8, 1979 to HCB in Stockholm by the Mosaiska

Formsamlingen”
HCB’s 90th Birthday, from Uma and B.C. Subbarao, April 2, 1992
“Happy Anniversary Sarah and Herbert Brown, 1937-1987” [24 K gold
Electroplate]

Box 327

Clothing
Academic Robe, undated

Box 328

Clothing, Academic Hoods, undated
Ball State (Crimson/Gold/Black), undated
Butler University (Royal Blue/Gold/White), undated
Longinsylvanae Universitas (Lt. Green/Gold/Black), undated
Wayne University (Gold/Black), undated

Box 329

Clothing, Academic Hoods, 2002, undated
No. Illinois State (Crimson/Gold/Black), May 12, 2002
Unlabeled (Black/Gold/purple/blue)

Box 330

Clothing, Academic Hoods, undated
Purdue [unlabeled] (Gold/Black), undated
Unlabeled (Blue/Gold Black), undated
Unlabeled (Blue/Gold/Black), undated

Box 331

Clothing, shirts, ca. 90s
Sweatshirt, Herbert C. Brown Family, ca. 1990s
T-shirts, 1997; undated
East Carolina Chemistry
Boron Bonds Better
Boron: A Good Start
Charter Son Of Boron
The Only Way to Hydroborate
Better Chemistry Via Boranes—Celebrating 50 Years of Boron
Research at Purdue, 1947-1997 (L/XL/XXL 3 shirts)
Cloth Suitbag

Box 332

Photographs, 1928-2002
Historical photographs from University of Chicago, ca. 1930s:
Dr. Stieglitz
Student in Chemistry Lab
Univ. of Chicago Chemistry Bldg. (two views)
HCB at blackboard teaching Hydride Reductions, ca. late 50s

HCB (holding model) with student in lab, 1953
 HCB lecturing at podium, blackboard in background, ca. 1950s
 HCB photographic portraits, undated (ca. 40s), 1953, 1958 (2), 1958
 wallet sized photo with HCB signature on back
 HCB holding glass apparatus in lab (2 prints), 1953
 HCB (chalk in hand) with student at blackboard, 1958
 HCB reading *Hydroboration* in office, undated (ca. 1960s)
 HCB with Borohydride Project participants: Davis, Schlessinger, Boss,
 Finholt, Derderian, 1959
 HCB and unidentified man in NBC's Continental Classroom, 1960
 HCB portrait (b/w, 8x10), 1978
 HCB photographic portraits (5x7, 4x5, 2x3 smaller two signed by HCB and
 undated), 1972, undated
 HCB photographic portraits, color, 8x10 5 copies, ca. 1979
 HCB photographic portraits, tinted (3), undated
 HCB applauding student activity in class, Uppsala, December 13, 1979
 Herbert C. Brown Receiving the Nobel Prize, Stockholm, Sweden, 1979
 Herbert and Sarah Baylen Brown on Nobel ceremony stage with presenter,
 Dec. 10, 1979
 HCB holding Nobel Prize and speaking, b/w, 8x10, 1979, separated from
 Box 53
 HCB with Stephen Greenberg, Cosmetic Chemists, 1980
 HCB in handshake with Wayne University faculty, the day he received an
 Honorary PhD, April 9, 1980
 HCB at Show-You-Rest farewell lunch, October, 1983
 Herbert and Sarah Baylen Brown at Lindau, 1980
 HCB et al., at the ACS Awards Banquet, Priestley Medal, Atlanta, GA,
 1981
 HCB at Perkin Medal Award banquet (3 photos), February 12, 1982
 HCB, Alan Selinasheim and Pres. Amer. Section of Society of
 Chemical Industry.
 HCB and Alex-Lord Todd (sp?)
 Alan Selinasheim making introductory remarks as HCB listens
 HCB in the Archives Room (5 poses), Chemistry Building, January 11,
 1982
 HCB and cohort of Nobel Laureates from Univ. of Chicago alumni, 1991
 HCB portrait by Paul May, San Jose, CA, undated
 HCB, Lindau, 1992
 HCB et al., in Swansea, Wales, for Honorary Fellowship award, 1994
 HCB and another faculty in Swansea, Wales, 1994
 HCB standing on dais of seated faculty, undated, photo by Buckingham
 Studios, Cardiff
 HCB receiving honor (diploma), undated, photo by Buckingham Studios
 Cardiff
 Herbert and Sarah Baylen Brown, Copernicus University, for award
 of honorary doctorate, 1998

HCB in office, ca. 2000, "With Best Wishes, Kanth" on label, Jan. 20, 2000
HCB and 90th Birthday Celebration attendees on Wetherill steps, May 22, 2002
Scrapbook contents from 80th Birthday of HCB, April 1-4, 1992
Printed program
Typed Schedule of Events for Brown Symposium-Brown Lectures
Printed invitation to Bader art exhibition at Union Gallery
HCB with current and former associates on Wetherill Steps
Four snapshots of HCB with smaller groups (partial identifications on reverse)
Three dozen snapshots of speakers at the occasion (ID on reverse)
HCB at birthday banquet at the country club, April 4, 1997
Archival envelope of several dozen photographs of HCB and family used in publication of the "Sequel"

Box 333

above tissue in box:

Binary slide rule (separated from box 53)
Purdue Sigma Xi Society, certificate for Research Achievement, 1951
Certificates, pamphlets, clippings, and correspondence regarding the Harrison Howe Lectureship, 1953
McCormack-Freud Honorary Lectureship in Chemistry and Chemical Engineering, certificate, photocopy of news clipping, 1954
Indiana Academy of Science Fellow, 1958
Song lyrics about Brown, composed by HCB graduate student Donald J. Abraham, 1959
Awards program, American Chemical Society, Cleveland, OH, 1960
Honorary Doctor of Science degree, The University of Chicago, 1968
Program, reception for Herbert C. Brown, Recipient of the National Medal of Science, Purdue University, 1970
Document with Japanese signatures, in memory of Herbert C. Brown's visit to Japan, 1970
Photographic copy of Honorary Degree, Wayne State University, 1980
Herbert and Sarah Brown at the Lafayette Chamber of Commerce luncheon honoring HCB, 1980
Who's Who Certificate, 1980-1981
Sally Forth cartoon (relating to household duties), 1982
Certificate, Academia de Artes y Ciencias de Puerto Rico, 1982
Certificate, Honorary Membership, The Japan Chemical Society, 1982
Certificate, Honorary Membership, The Pharmaceutical Society of Japan, 1982
Exhibition brochure, photocopied biography, and color reproduction of Herbert C. Brown in company of Nobel Laureates, painted by Giovannella, ran April 3-June 9, 1985
Program, Ball State University commencement (includes photocopy of HCB's honorary degree from Ball State), 1985

Sleeved black and white reprint of *Aldrichimica Acta* article dedicated to HCB, 1987
Article, "What Do Nobel Laureates Dream About?" *Industrial Chemist*, Vol. 9, No. 8, August 1988 (includes HCB's opinion on the significance of his boron research)
Letter from J.C. Polanyi with speech by Polyani to incoming students at the University of British Columbia, 1989
HCB with current and former associates on steps of Wetherill Bldg., two laminated color copies of photograph, April 3, 1992
Certificate, Member of the Prometheus Society, 1996
Plaque photocopy, Boron Americas (BUSA) Award to HCB, Jan. 3, 2002
Advertisement, Nobel Laureates who published in American Chemical Society journals, undated
Printouts of cataloged HCB pieces, archival folder, March 14, 2006
Folder of photocopied Nobel Prize news clippings, letters, et al., ca. 1979

below tissue in box:

Bachelor of Science, The University of Chicago, June 16, 1936
Doctor of Philosophy, The University of Chicago, August 26, 1938
Maroon portfolio holding:
Men of Achievement, December 1973
Chemical Pioneer Award, The American Institute of Chemists, Inc., May 22, 1975
Certificate, Sagamore of the Wabash, State of Indiana, 1979 (2 copies)
Nobel Diploma: NobelPris, Stockholm, December 10, 1979 (copy on photographic paper has December 10, 1982, inscription handwritten on back (sic? or date of photographic copy?))
Chemical & Engineering News Journal, cover featuring Brown: "Herbert C. Brown Wins 1981 Priestley Medal," July 7, 1980 (framed)
Purdue University, "Honorary Old Master," November 9, 1980
Universitas Longinsylvanae. Doctor Scientiae, June 6, 1980
Honorary Degree, Pontificia Universidad Catolica De Chile, 1980
Hebrew University of Jerusalem, *Doctor Philosophiae Honoris Causa*, February, 1980 (photo paper proof, 2 copies)
Purdue University, Doctor of Science, May 16, 1981 (photo paper proof and film negative)
Honorary Secretary of State, 1982
"Specialist" cartoon,
American Institute of Chemists Gold Medal, April 28, 1985
National Academy of Sciences Award in Chemical Sciences, April 27, 1987
Paper folder:

American Academy of Arts and Sciences Fellow, May 11, 1966
(certificate of proclamation *and* printed notice of award)

Red binder:

Education Minister's Prize, jointly award HCB and Mark
Zaidlewicz, Authors of "Organic Syntheses via Boranes,"
Torun, Poland, October 1, 2002

Publicity poster, Drexel University Distinguished Lecturer, May
19, 1980

Publicity poster, The Mack Memorial Lecturer, Purdue University
Dept. of Chemistry, May 17, 1978

Japanese Calligraphy "You achieve success in many difficult
tasks," June

1978 by Nichiyashu Ikegami (priest of Minobo Bhuddist Temple)
Set of Woodcut Prints of the Twelve Apostles, 1962

Calendars Stencil-Dyed on Japanese Paper by artist Keisuke
Serizawa, 1972, 1975, 1976

Poster, Ancient Gems/New Settings exhibit, Noma Copley and
Jean Stark, 1983

Large clear archival bag:

Herbert C. Brown black and white portrait, signed J. Tong, 1972

Herbert C. Brown and three men, undated (note signed by Kulkarni
attached)

Herbert and Sarah Brown in library-like setting, undated (b/w)

Herbert and Sarah Brown with man in office setting, undated (2
copies)

"Chips Hanley Marks," 1945 (young boy – Charles Brown?)

Herbert C. Brown and Sarah B. Brown individual color
photographic portraits, undated (mounted on matboard, two
copies of Sarah's portrait)

Herbert C. Brown Blackstone Studios b/w portrait, undated

Nobel Laureates 90th anniversary group photograph, Dec. 10,
1991, Stockholm (+ enlarged color copy laminated)

Herbert C. Brown and Richard Nixon at the White House, 1970

Richard Nixon on award dais, et al, and HCB, February 16, 1970

Herbert C. Brown with Research Group, black and white, 1970

Herbert C. Brown and large group on Wetherill steps, undated

Herbert C. and Sarah B. Brown with group, Karachi, undated

Herbert C. Brown with Current and Former Associates, in front of
Wetherill Building, Purdue University, Celebrating Brown's
80th Birthday, 1992 (color copy laminated)

Herbert C. Brown age about 65 (2 sepia copies of HCB portrait by
B. Blackwell von Rijn, 1980)

Herbert C. and Sarah B. Brown with Nobel entourage, 1979 (b/w)

Box 334

Framed photographs, certificates, posters, undated – 1998
Herbert and Sarah Brown in Hawaiian garb, wearing leis, undated
Young Jewish woman, undated
Young Jewish woman and man, undated
Herbert C. Brown holding bowl and “Morton” ball cap, undated
Ripley’s *Believe it or Not* cartoon, 1981
“Four Generations in Borane Chemistry, HCB, Subba Rao, Acharya,
Kulkarni, undated
Academia de la Investigacion Cientifica, framed diploma, 1991
National Academy of Science award in Chemical Science, framed
certificate, 1987
Herbert C. Brown and Others in front of Wetherill Building, Purdue
University, 1970
Toast the Top 75, American Chemical Society national meeting in
Boston, framed poster, 1998

Box 335

Framed miscellaneous printed pieces, art reproductions
Boron Chemist’s Concept of Periodic Chart, R.E. Williams, Roy
Carter, AeroJet General, undated
2-Nonbornyl Cation Lumo, undated
Monty Python’s Flying Carbocation, undated
Prints from Bader collection, all undated
Alchemist (Cornelius)
Hippocrates visiting Democritus (Jacob Backer)
Alchemist (Heerschop)
Portrait of Rembrandt, age about 50
Man Surprised (Brouwer)
Man Surprised, sepia (Brouwer)
Sight (Keil)
Dutch Brewer (Abrahamsc)
Herbert C. Brown, age about 55

Box 336

Miscellaneous memorabilia, 1968-1994
Yellow Hill
HCB Oral History
Remembering HCB
ACS Pauling Medal 1968
Copernicus, undated
Jn. Purdue Warranty Deed (2 copies), undated
HCB Center for Borane Research plaque March 31, 2000
Phi Beta Kappa, framed certificate, May 10, 1972
Classroom Film – NBC, postmarked March 16, 1960
Heidelberg, print of pen and ink or charcoal drawing, taped flyer and
photo on reverse of print reads:

“Operation Chemistry” Summer 1994
University of WI July 10 – 23
Purdue University July 23 – August 6
Watercolor of Bay Area, given to HCB on visit, University of San
Francisco, December 16, 1980

Box 337

Plaques, posters, 1946-1981

Renaud Foundation Lectureship, May 7, 1968
Journal & Courier, “Purdue Chemist Wins Nobel,” story and picture of
Herbert and Sarah Brown, October 15, 1979
C & E News Toast of Top 75, plaque, undated
Chemical Engineering cover, July 7, 1980
Remson Memorial Lecture, June 2, 1961
Honorary Doctor of Science, Purdue University, May 16, 1981
Drawing of Herbert C. Brown, Commemorating him as a Visiting
Professor at the University of Mexico, 1954 [torn on left side]
City College lecture poster, 1946
Journal & Courier, plaque honoring Herbert and Sarah Brown,
August 15, 1979
Honorary Doctor of Science, University of Chicago, plaque, June 7,
1968
Herbert and Sarah Brown with Nobel Prize (framed), 1979

Box 338

Framed pictures, 1970-1992

Herbert C. Brown with Thai Princess Chulabhorn, alchemist and
patron, and with members of Royal Thai Chemistry Society,
(letter inside frame may contain date), undated
Herbert C. Brown with three men, undated
Herbert C. Brown with seven men, undated
Herbert C. Brown with 16 others, 15 men, one woman, undated
Herbert C. Brown on steps with balloons rising, undated
Herbert C. Brown travel entourage, undated, presumably 1979 (?)
Herbert C. Brown with eight research groups (current and former
associates), 1970, 1974, 1978, 1981, 1982, 1986, 1989,
April 3, 1992
Herbert C. Brown standing with plaque for the HCB Symposium &
Lecture, 1992
Aerial photograph of manufacturing site, undated

Box 339

Photo albums, scrapbooks, 1978-1994

Shanghai photo album, October 6, 1994
Herbert C. Brown Symposium guest book, May 4-6, 1978

News clippings regarding the Nobel Prize, 1979 (red binder)
News clippings of HCB stories by Kevin Cullen, December, 1979 (red)
Korean photo album, 1982 (pink book)
Conference de la Serie Premios Nobel, Ciudad University, Mexico,
October 31, 1983
Thailand, Purdue Alumni Club, 1985 (small pink book)
Herbert C. Brown's 80th year Symposium guestbook, April 2-4, 1992
Herbert C. Brown on occasion of 100th PhD in his 25th year, undated

Box 340

Scrapbooks, photo albums, 1958-2002
Photo album, miscellaneous pictures in envelope, news clippings,
letter, guest list, *Exponent* articles, April 1997, brochures,
pamphlets, photos, 1979-2002
Thailand, Purdue Alumni Club, souvenir book, 1980
Butler University scrapbook, May 16, 1982

Box 341

Wrapped artifacts, 1958-1989
Herbert C. Brown at Seoul Symposium of Nobel Laureates, Seoul,
Korea, 1989
Herbert C. Brown at Seoul Symposium, from Pohang Iron and Steel
Company, Visit to Posco, 1989
Boxed Japanese black enamel quartz clock, undated
Dr. Brown rootbeer can (1) and bottles (2), undated
Desk pen set, 11th O.M. Smith Lecture, Oklahoma State University,
Phi Lambda Upsilon, April 11, 1958
Mexican pottery bowl, cracked, undated
Acrylic triangular paperweight identifying minerals, undated

Box 342

Audiovisual materials, 1957-1978
Slides in yellow plastic case, undated
Herbert C. Brown slides, packed in yellow shoebox with a few
photographs of HCB group, undated (April 4-5, 1957 on one)
Brown Symposium Lectures videotapes (5 copies), 1997
Series of cassettes in gray archival box, Herbert C. Brown lectures at
Hope College, Holland, MI, June 1, 1978

Box 343

Boxed miscellaneous working files, 1953-2003
Nominations materials for Suzuki, Negishi, et al., ca. 2003; **Restricted**
and moved to box 117
American Chemical Society (ACS) Herbert C. Brown award
Correspondence, emails 1994-2004

Charles Brown publications
American Chemical Enterprise Journal, 1995
Herbert C. Brown 90th birthday book, May 22, 2002
Department of Energy Proposal, 2003
Research reprints
Purdue fuel cell research, 2003
Borane Center Triennial Report, 2003
National Medal of Technology nomination, 2001
“New Continent” lecture, May 1-2, 2003
C & E cover featuring Herbert C. Brown, 1953
American Chemical Enterprise Journal, 1995
Herbert C. Brown 90th birthday book, May 22, 2002

Box 344

Poster box

Hydrogenation Poster with Engelhard Catalysts, undated
Foreign language poster, undated
Slide rule

Box 345

Poster box

Nobel Prize for Physiology or Medicine poster, Fischer/Krebs, 1992
Journal of Organo-metallic Chemistry, undated

Box 346

Taken from brown-colored paper portfolio, large, 1974-1981
Blank poster boards, one May 1981
Negatives, photos of Brown Gassimeter, 5 sleeves, March 1974
Equipment schemas/ 'blueprints' on acetate
Herbert C. Brown in group photos, ca, 1974

Box 347

Larger framed items

Membership of the President's Committee on the National Medal of
Science, 1981 (signed by President Jimmy Carter)
Order of the Griffin, Purdue University, framed certificate, 2002
National Academy of Sciences, framed certificate, 1957

Box 348

Larger framed items

Poster of Purdue Heroes Herbert C. Brown, Neil Armstrong, Amelia
Earhart, by Michele Miller, 1982
Golden Plate Award 1971

Unnumbered

Wooden boxes containing models, two large boxes
Wooden lecture shelf

Unnumbered

Black case of molecular modeling pieces

Larger Framed Art, Artifacts (On Shelf)

Painting by Robert Chase, Paris scene, untitled (labeled I), undated

Painting by Robert Chase, Paris scene, untitled (labeled II), undated

Sepia Art Print ("Panorama of Torun"), presented by Organizing
Committee of IMBERON VII to Herbert C. Brown, Torun',
Poland, August 2, 1990

Untitled Gauguin reproduction (framed), undated

Copernicus, Gift of Former Student, M. Zaidlewicz, framed painting,
undated

Painting by Molecular Expressionist Delbert Venerable, commissioned
for Brown, 1978

Painting of Herbert C. Brown by Giovannella (aka Joan Markson
Carregal), undated

Certificate, National Medal of Science, signed by Pres. Richard Nixon,
1969

Sarah and Herbert Brown, color photographic portrait (framed), 1979
80th Birthday HCB Symposium Poster