

Richard Zallen's Emilio Segrè Archive

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Description: (photo courtesy of John Burnett), Dinner arranged by Richard Zallen at 190 Queen's Gate Restaurant, South Kensington, London with five of William Paul's former graduate students present. L-R: John Burnett, Doris Zallen, Richard Zallen, Manuel Cardona, Anne Groves, Babs Paul, William Paul, Inge Cardona, Thomas Deutsch, Judy Foreman, Steve Groves.

Date: August 3, 2002

Credit: AIP Emilio Segre Visual Archives, Zallen Collection.

Names: Burnett, John; Zallen, Richard; Cardona, Manuel; Paul, William; Deutsch, Thomas Frederick; Groves, Steven



Description: Royal Society Building, Carlton House Terrace, London. Banquet and special session in honor of William Paul as part of the 10th International Conference on High-Pressure Semiconductor Physics. (Aug. 5-8, 2002, Guildford, UK). L-R: Helen Weinstein, Richard Zallen, Doris Zallen, William Paul, Babs Paul, Steven Groves, Anne Groves, Peter Yu, Carl Pidgeon, John Burnett, Marvin Cohen (partially obscured), Inge Cardona (mostly obscured), Manuel Cardona, Judy Foreman, Thomas Deutsch.

Date: August 6, 2002

Credit: Photo by Bernard A. Weinstein, courtesy AIP Emilio Segre Visual Archives, Zallen Collection.

Names: Zallen, Richard; Paul, William; Groves, Steven; Yu, Peter Y.; Pidgeon, Carl; Burnett, John; Cohen, Marvin L.; Cardona, Manuel; Deutsch, Thomas Frederick



Description: young; profile; beard

Date: 1961

Credit: AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Zallen, Richard



Description: middle age; full-face; at restaurant in Edinburgh, UK during the 43rd International Conference on the Physics of Semiconductors.

Date: 1978

Credit: Photo by Richard Zallen, courtesy AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Besson, Jean Michel



Description: middle age; full-face; at restaurant in Edinburgh, UK during the 43rd International Conference on the Physics of Semiconductors.

Date: 1978

Credit: Photo by Richard Zallen, courtesy AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Besson, Jean Michel



Description: L-R: Jan Tauc and William Paul, Paris 1965 at the time of the Conference on Optical Properties and Electronic Structure of Metals and Alloys.

Date: 1965

Credit: Photo by Richard Zallen, courtesy AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Tauc, Jan; Paul, William



Description: L-R: Professor William Paul and Graduate Student Richard Zallen; Harvard semiconductor-group picnic.

Date: 1961

Credit: Photo by Steven H. Groves, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Paul, William; Zallen, Richard



Description: L-R: Paul M. Grant, Richard Zallen and Michel Besson, Bernie Kosicki, Paul McElroy, ?, at Jake Wirth's Restaurant, Boston. Photo provided to Richard Zallen by Paul M. Grant.

Date: 1964

Credit: AIP Emilio Segre Visual Archives, Zallen Collection

Names: Grant, Paul M.; Zallen, Richard; Besson, Jean Michel; McElroy, Paul Tucker; Kosicki, Bernard Brooks



Description: International Summer Course on Solid State Physics, Optical Properties of Semiconductors, sponsored by NATO Advanced Study Institute at the University of Ghent, Belgium, July 23 - August 4, 1962. Appearing in photo are: Rosanna Cappelletti, Cesare Bucci, Richard Zallen, Ronald C. Newman, John F. Angress, H. Lipson, W. Beall Fowler, Richard Crandall, W. Dekeyser, Robert S. Knox, K. S. Song, Heinz Bilz, Emil Antoncik, Howard Rockstad. List of lecturers at the summer school: B. Lax, S.D. Smith, H.Y Fan, R.H. Bube, R.S. Knox, J. J. Hopfield, H. B. Rosenstock, G.F.J. Garlick, N. Bloembergen. Only R. S. Knox is in this photo. Identification key available upon request.

Date: July 23-August 4, 1962

Credit: AIP Emilio Segre Visual Archives, Zallen Collection

Names: NATO Advanced Study Institute; Bucci, Cesare; Zallen, Richard; Angress, John F.; Fowler, W. Beall (Wyman Beall); Crandall, Richard; Knox, Robert S. (Robert Seiple); Song, Kong-Sap A.; Bilz, Heinz; Antoncik, Emil; Rockstad, Howard K.



Description: Richard Zallen (in the back partially obscured), Bernard Kosicki, Steven Groves (right), graduate students of William Paul, Gordon McKay Lab, Harvard University. Photo provided to Richard Zallen by Paul M. Grant.

Date: circa early 1960s

Credit: AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Zallen, Richard; Groves, Steven; Kosicki, Bernard Brooks



Description: young; full-face; Bernard Kosicki (front), Richard Zallen (back), graduate students of William Paul, Gordon McKay Lab, Harvard University. Photo provided to Richard Zallen by Paul M. Grant.

Date: circa early 1960s

Credit: AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Zallen, Richard



Description: young; full-face; Graduate student of William Paul, Gordon McKay Laboratory, Harvard University. Photo provided to Richard Zallen by Paul M. Grant.

Date: circa early 1960s

Credit: AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Shankland, Thomas J.



Description: L-R: Paul McElroy and Richard Zallen graduate students of William Paul, Gordon McKay Lab. Harvard University, 1961-1964 Photo provided to Richard Zallen by Paul M. Grant.

Date: circa early 1960s

Credit: AIP Emilio Segre Visual Archives, Zallen Collection

Names: McElroy, Paul Tucker; Zallen, Richard

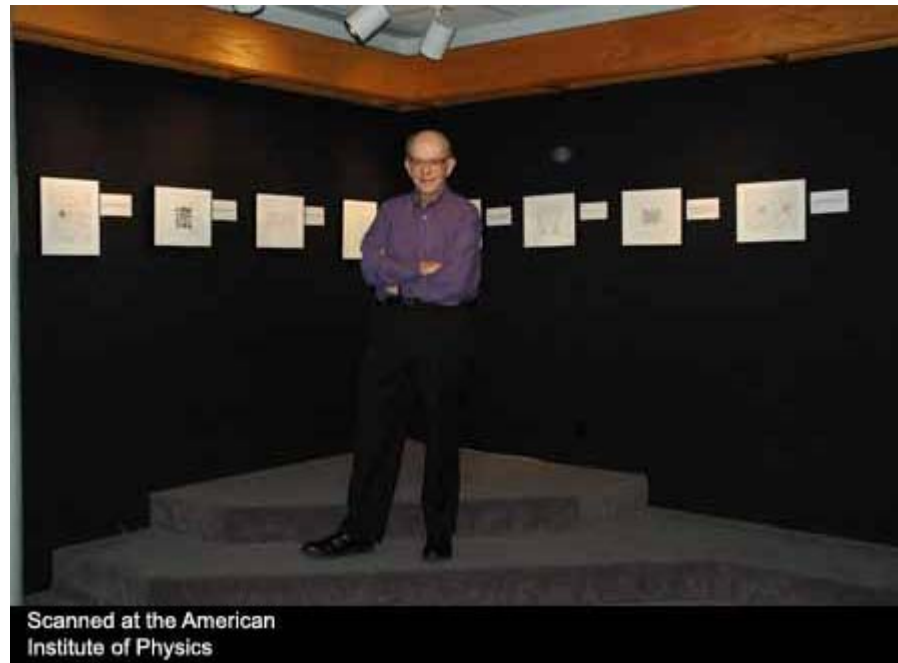


Description: Semiconductor-group dinner at Jake Wirth's, Boston. L-R: ?, R. Ludeke, M. DeMeis, Jim Inglis (group machinist, turning to face camera), ? (smoker in back), William Paul, ?, T. J. Shankland (beard), Vidyut Prakash, ?, E. Rossi. Photo provided to Richard Zallen by Paul M. Grant.

Date: 1964

Credit: AIP Emilio Segre Visual Archives, Zallen Collection

Names: Ludeke, Rudolf; Paul, William; Shankland, Thomas J.



Description: middle age; full-face; Richard Zallen 'art show' of physics-as-art at Wallace Hall, Virginia Tech.

Date: January 2006

Credit: Photo by Tatsu Takeuchi, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Zallen, Richard



Description: The experimental solid-state group in the Physics Department at the Technion, Haifa. Standing in back L-R: Ehud Furman, Oren Brafman, Michael Hayek, Elisha Cohen. Crouching at left: Miki Mor. Seated in front: Hanan Schechter and Chanock Katz.

Date: 1972

Credit: Photo by Richard Zallen, courtesy AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Brafman, Oren; Cohen, Elisha; Schechter, Hanan



Description: L-R: Thomas Shankland (in front), B. von Roedern ?, David Adler (striped shirt), Julius Feinleib, Irene Ortenburger, Frank Herman at a dinner organized by Paul Grant and Richard Zallen at the APS March Meeting in Las Vegas to celebrate William Paul's 60th birthday.

Date: March 31, 1986

Credit: Photo by Richard Zallen, courtesy AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Shankland, Thomas J.; Adler, David; Feinleib, Julius; Herman, Frank



Description: L-R: ?, Alain Polian (partially obscured), Bernard A. Weinstein, Manuel Cardona, Neville Connell (turning to face camera), Marshall Nathan, and Ted Moustakas at a dinner organized by Paul Grant and Richard Zallen at the APS March Meeting in Las Vegas to celebrate William Paul's 60th birthday.

Date: March 31, 1986

Credit: Photo by Richard Zallen, courtesy AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Polian, Alain; Weinstein, Bernard A.; Cardona, Manuel; Connell, Neville; Nathan, Marshall I.; Moustakas, Theodore D.

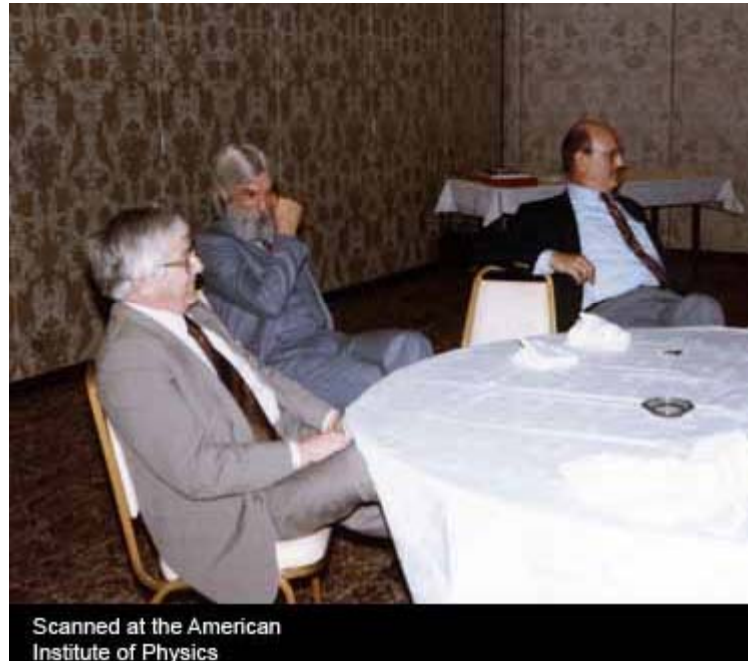


Description: L-R: William Paul, Vera Tauc, Paul M. Grant, Lawrence C. Kravitz, Jan Tauc at a dinner organized by Paul Grant and Richard Zallen at the APS March Meeting in Las Vegas to celebrate William Paul's 60th birthday.

Date: March 31, 1986

Credit: Photo by Richard Zallen, courtesy AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Paul, William; Grant, Paul M.; Kravitz, Lawrence C.; Tauc, Jan



Scanned at the American
Institute of Physics

Description: L-R: William Paul, Paul M. Grant, Lawrence C. Kravitz at a dinner organized by Paul Grant and Richard Zallen at the APS March Meeting in Las Vegas to celebrate William Paul's 60th birthday.

Date: March 31, 1986

Credit: Photo by Richard Zallen, courtesy AIP Emilio Segre Visual Archives, Zallen Collection, for permission to publish contact rzallen@vt.edu

Names: Paul, William; Grant, Paul M.; Kravitz, Lawrence C.



Description: middle age; profile; Presentation by Richard Zallen to Xerox colleagues and management at an internal company conference held at the Xerox Webster Research Center (near Rochester, NY) in the Fall of 1970. Projected on the screen is an experimentally determined phonon-polariton dispersion curve for crystalline As₂Se₃.

Date: 1970

Credit: Photo by Gene Davis, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Zallen, Richard



Description: middle age; full-face; equipment; Posed public relations photo of Richard Zallen in his Raman laboratory used in the 1985 annual report magazine of the Virginia Tech Foundation.

Date: 1985

Credit: Photo by Bob Veltri, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Zallen, Richard



Description: middle age; three-quarter view; taking part in a roast of Richard Zallen at Zallen's Physics Department retirement lunch at Hillcrest Hall, Virginia Tech.

Date: May 5, 2006

Credit: Photo by Tatsu Takeuchi, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Blecher, M. (Marvin)



Description: L-R front table facing camera: Freda Blecher, Marvin Blecher, Robert Bowden, Leo Pilonen, Gail Letzter at Physics Department retirement lunch for Richard Zallen at Hillcrest Hall, Virginia Tech.

Date: May 5, 2006

Credit: Photo by Tatsu Takeuchi, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Blecher, M. (Marvin); Bowden, Robert Lee Jr.; Pilonen, Leo



Description: L-R front table: John Dillard (profile, blue shirt, Chemistry Dept.), ?, ?, John Ficenec (Physics Dept.), Kathy Ficenec (wife of John), at Physics Department retirement lunch for Richard Zallen at Hillcrest Hall, Virginia Tech.

Date: May 5, 2006

Credit: Photo by Tatsu Takeuchi, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Ficenec, John Robert

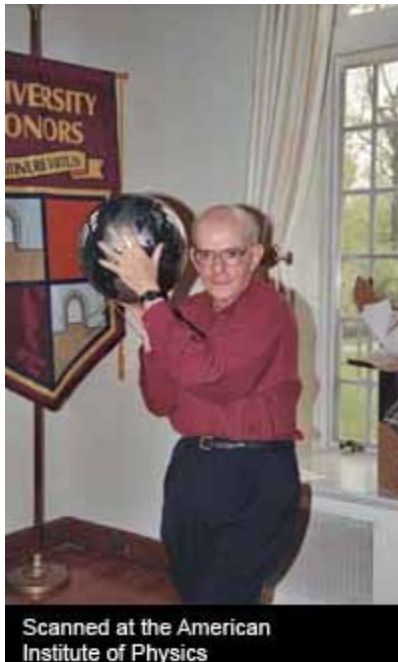


Description: middle age; three-quarter view; Randy Heflin taking part in a roast of Richard Zallen at Zallen's Physics Department retirement lunch at Hillcrest Hall, Virginia Tech.

Date: May 5, 2006

Credit: Photo by Tatsu Takeuchi, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Heflin, James Randolph



Description: middle age; full-face; Richard Zallen as Atlas, or maybe bowling with the globe at his Physics Department retirement lunch held at Hillcrest Hall, Virginia Tech.

Date: May 5, 2006

Credit: Photo by Tatsu Takeuchi, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Zallen, Richard

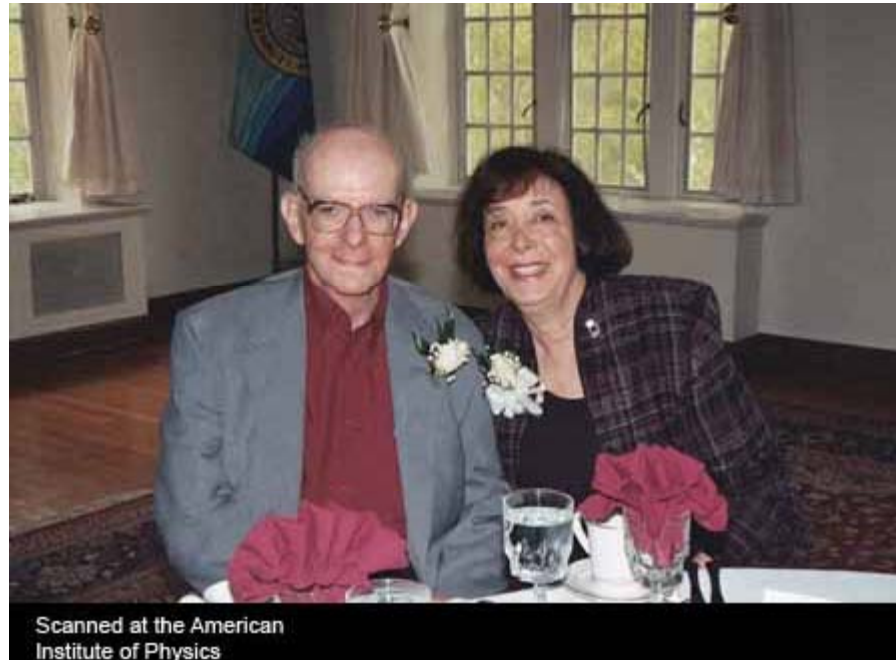


Description: Robyn Zallen (left) helping her granddad Richard Zallen unwrap his gift at his Physics Department retirement lunch held at Hillcrest Hall, Virginia Tech. Royce Zia (right) assists.

Date: May 5, 2006

Credit: Photo by Tatsu Takeuchi, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Zallen, Richard; Zia, R. K. P. (Royce King-Ping)



Description: middle age; full-face; L-R: Richard Zallen and his wife, Doris Teichler Zallen at Hillcrest Hall, Virginia Tech for Physics Department retirement lunch for Richard Zallen.

Date: May 5, 2006

Credit: Photo by Tatsu Takeuchi, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Zallen, Richard



Description: Richard Zallen with family at his retirement lunch thrown by Physics Department, Virginia Tech; L-R: Jill Silverstone Zallen (daughter-in-law), Megan Zallen (granddaughter), Avram Zallen (son), Richard Zallen, Doris Teichler Zallen (wife), Jennifer Zallen (daughter), Jennifer holding Ben Zallen (grandson), in front is Robyn Zallen (granddaughter).

Date: May 5, 2006

Credit: Photo by Tatsu Takeuchi, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Zallen, Richard



Description: middle age; three-quarter view; Royce Zia serving as master of ceremonies at the Physics Department retirement lunch for Richard Zallen at Hillcrest Hall, Virginia Tech.

Date: May 5, 2006

Credit: Photo by Tatsu Takeuchi, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Zia, R. K. P. (Royce King-Ping)



Description: L-R: Stuart A. Solin, Jennifer A. Zallen, Michael F. Thorpe, Richard Zallen, Paul M. Grant, Bernard A. Weinstein. Taken at the home of Doris and Richard Zallen, Blacksburg, VA during a reception for speakers at a symposium marking R. Zallen's retirement.

Date: August 17, 2006

Credit: Photo by Betty Wilkins, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Solin, Stuart A.; Thorpe, Michael F.; Zallen, Richard; Grant, Paul M.; Weinstein, Bernard A.

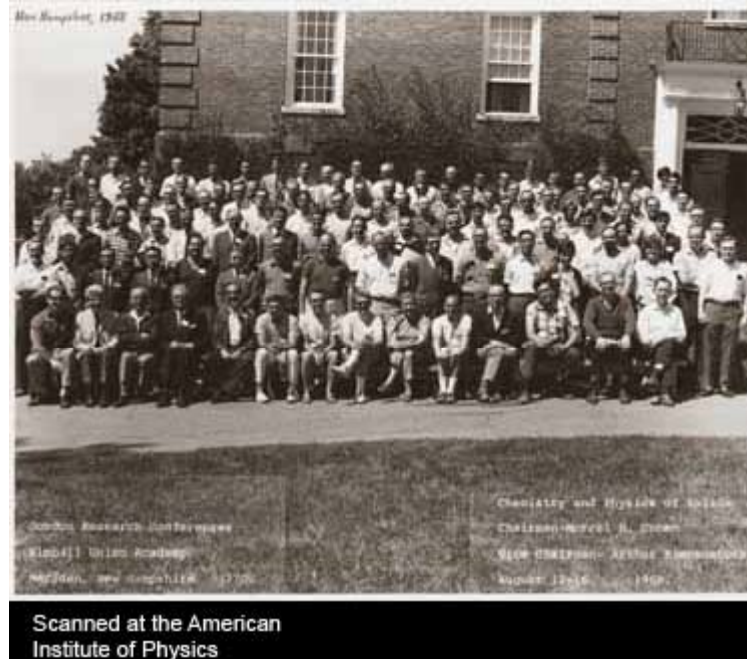


Description: middle age; full-face; Richard Zallen and daughter Jennifer Ann Zallen in Rochester, NY.

Date: 1971

Credit: Photo by Doris T. Zallen, courtesy AIP Emilio Segre Visual Archives, Zallen Collection

Names: Zallen, Richard



Description: Identification key available upon request. Gordon Research Conference, Kimball Union Academy, Meriden, NH, Chemistry and Physics of Solids, Morrel H. Cohen, Chairman, Arthur Bienenstock, Vice Chairman

Date: August 12-16, 1968

Credit: AIP Emilio Segre Visual Archives, Zallen Collection

Names: Gordon Research Conference; Cohen, Morrel H.; Bienenstock, Arthur Irwin; Brodsky, Marc Herbert; Mott, Nevill Francis, Sir; Zallen, Richard; Brockhouse, Bertram Neville