

UCR Chemistry Program

1953-1970

1953-1966; 2nd floor, Geology Building

1966-2005; Pierce Hall

Presented by Professor Donald
Sawyer at the 50th Anniversary
Symposium of the Graduate
Program, December 2005

In The Beginning

- Strayer Report, 1948; 1500 Students
- L&S College Authorized, 1949
 - Delay Due to Korean War
- College Opened, February, 1954
 - 120 students and about 30 faculty
- Division of Physical Sciences
 - chemistry, geology, mathematics, physics
 - W. Conway Pierce, Chairman



Hart Schmidt

Jim Pitts

Harry Johnson

Conway Pierce

George Helmkamp

Chemistry Faculty

- W. Conway Pierce, George Helmkamp; 1953
- James N. Pitts (Chairman, 1960-63),
Harry W. Johnson (Chairman, 1963-66); 1954
- Hartland Schmidt; 1955
- Donald T. Sawyer (Chairman, 1966-70); 1956
- John Garst, James Hornig; 1958
- Ron Archer, Manfred Reinecke; 1959
- Ted Kuwana, Roy Fukuto, Sunney Chan; 1960-1
- M. F. Hawthorne, David Kearns, Jerry Bell; 1962
- Robert C. Neuman, Philip Radlick; 1963
- Gus Maki, William Orttung, Richard M. Wing, Mort Gibian,
Seth Boorstein, Ted McKinney, William Okamura, Michael
Rettig; 1964-7
- Walter Deal, Paul Ellgen, L. Robin Martin, James
Sudmeier; 1968-9

Physical Sciences; 1956





Physical Sciences Building; 1954



Physical Sciences Addition; 1957-58

Chemistry Facilities

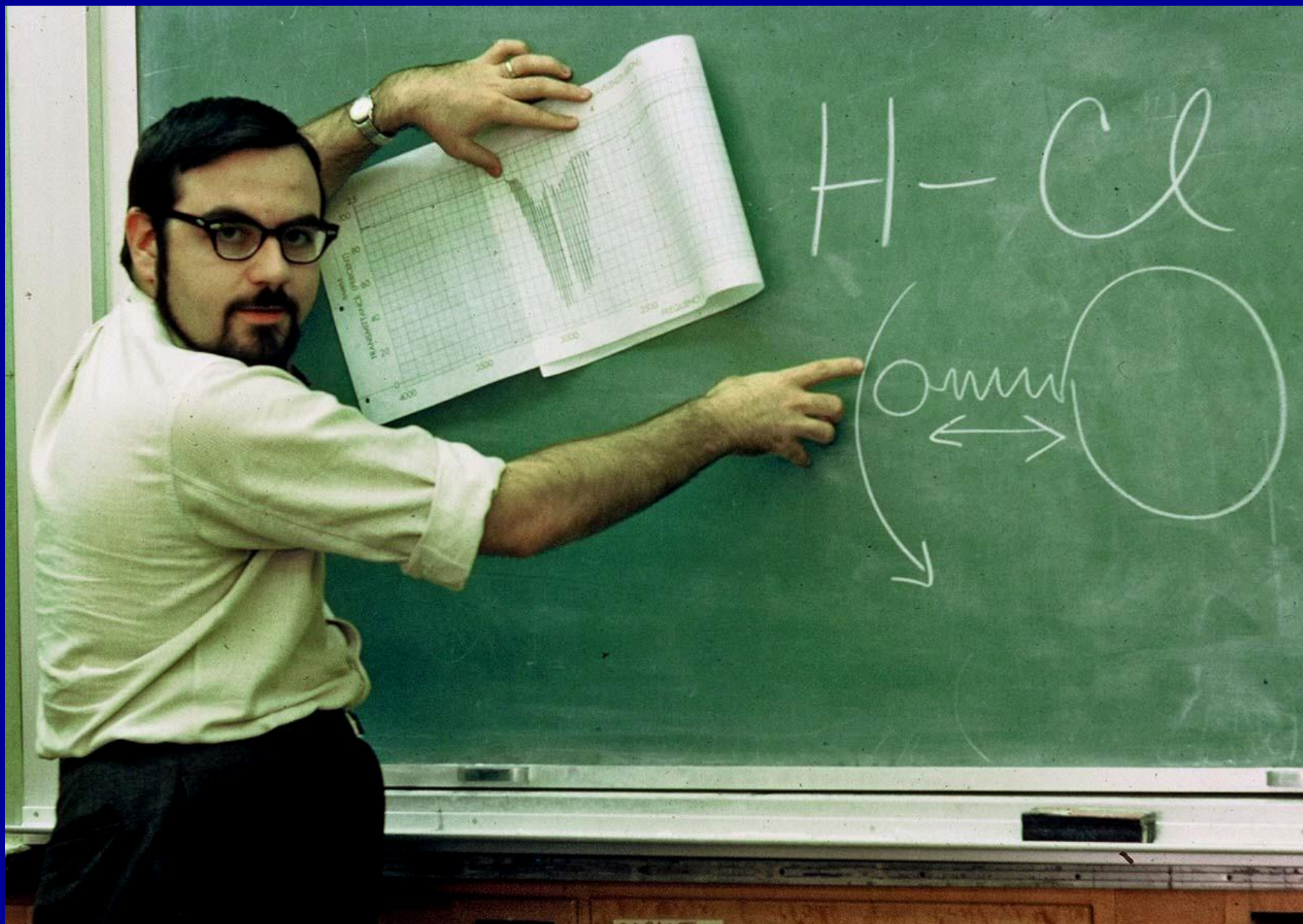
- 2nd floor, south wing of Geology bld; 1954-66
 - Plus 2nd floor addition; 1959-66
 - Pierce Hall; 1966-2005
- Instruments and support
 - Beckman DU spectrophotometer; battery powered
 - 1 1/2 secretaries for Division of Physical Sciences
 - Frances Lewis; storekeeper, purchasing, soln prep
 - 1 telephone in stockroom
 - Modern instruments added via Ag Exp Station support until 1966 occupancy of Pierce Hall
 - Glassblower hired, 1959; served campus
 - Electronics technician hired, 1960; served campus
 - Research Corp; NSF; AEC; Air Force; PRF



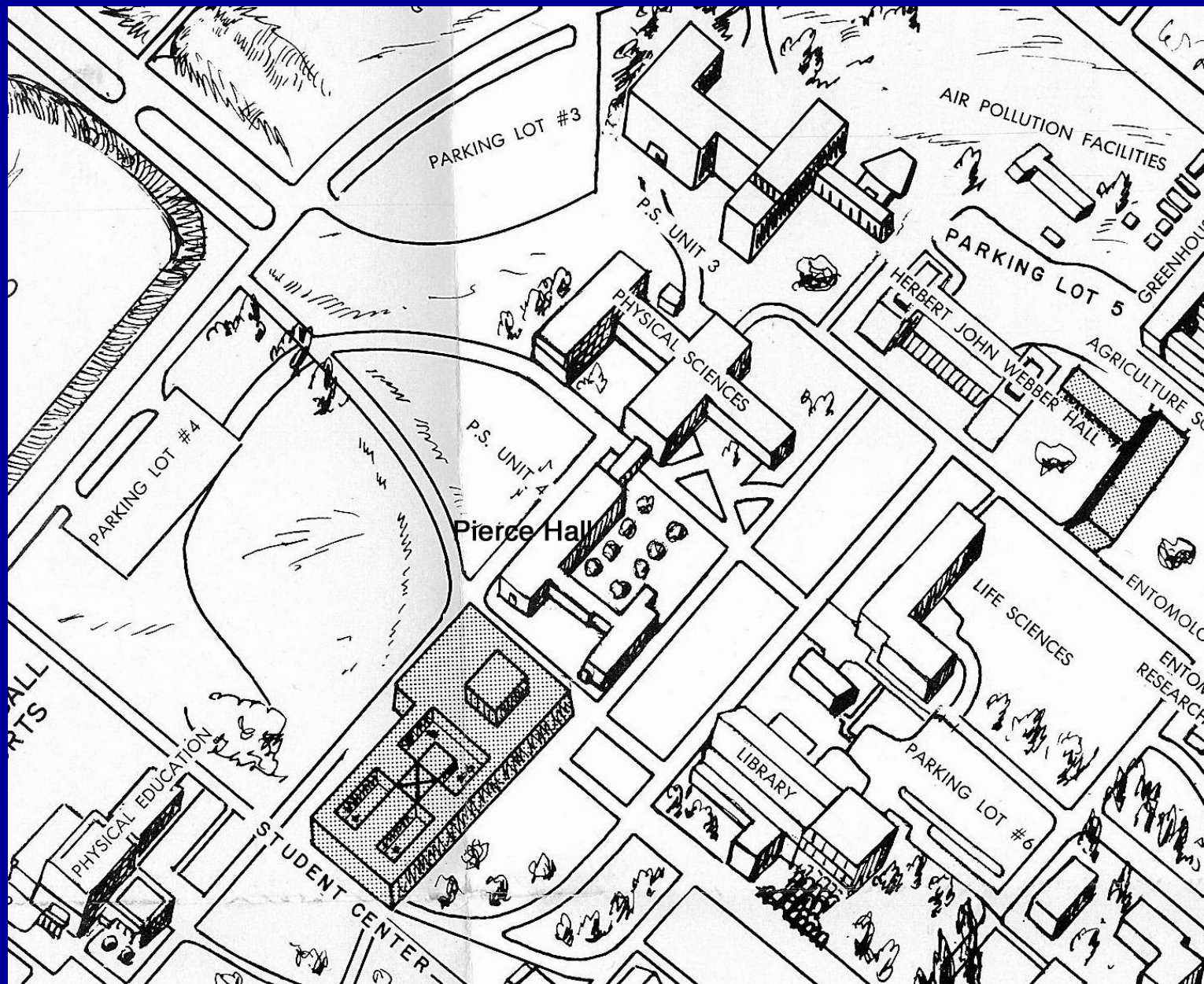
Undergraduates; 2nd floor, Physical Sciences addition



Hawthorne Lab fire; 1964?



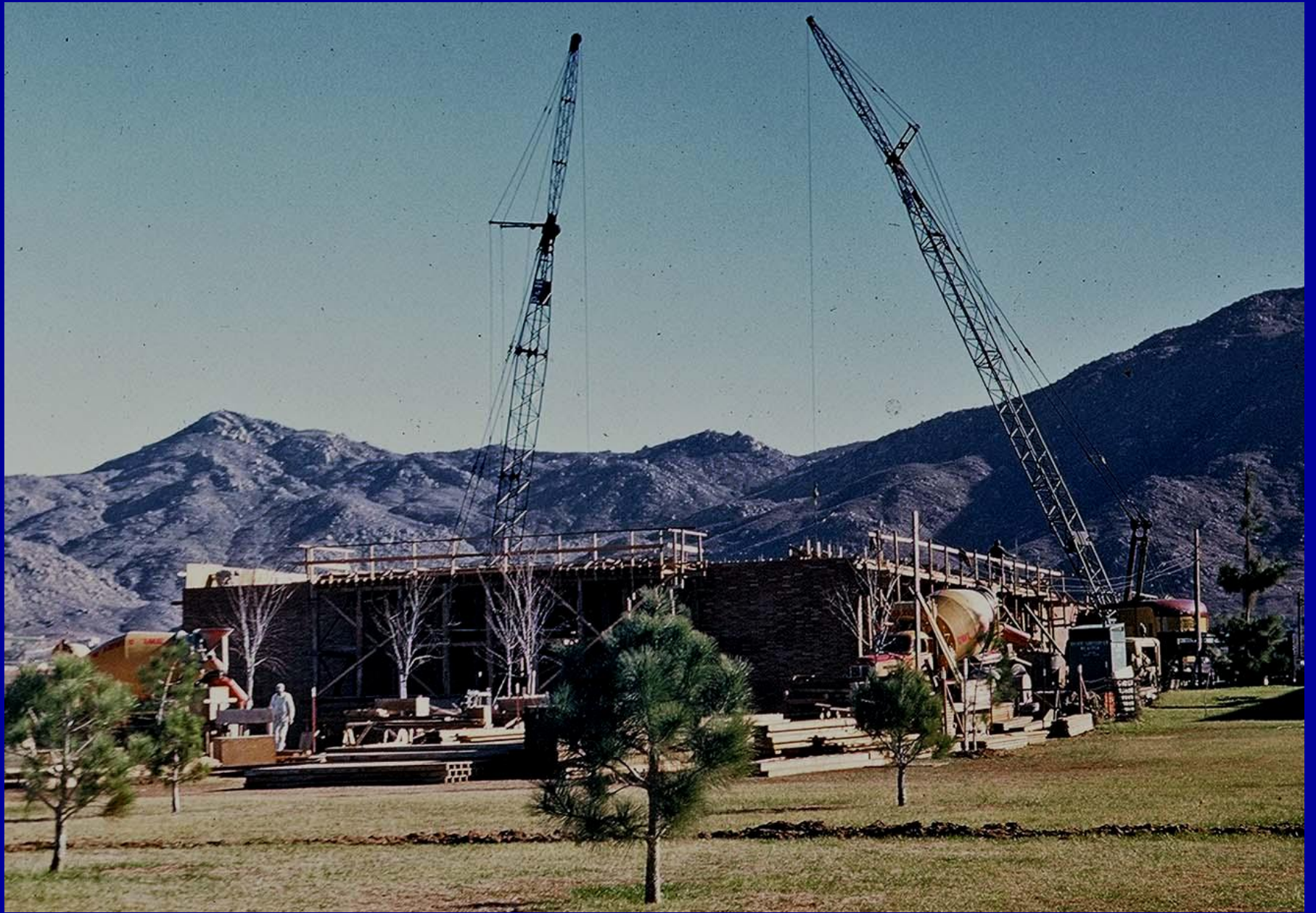
Jerry A. Bell



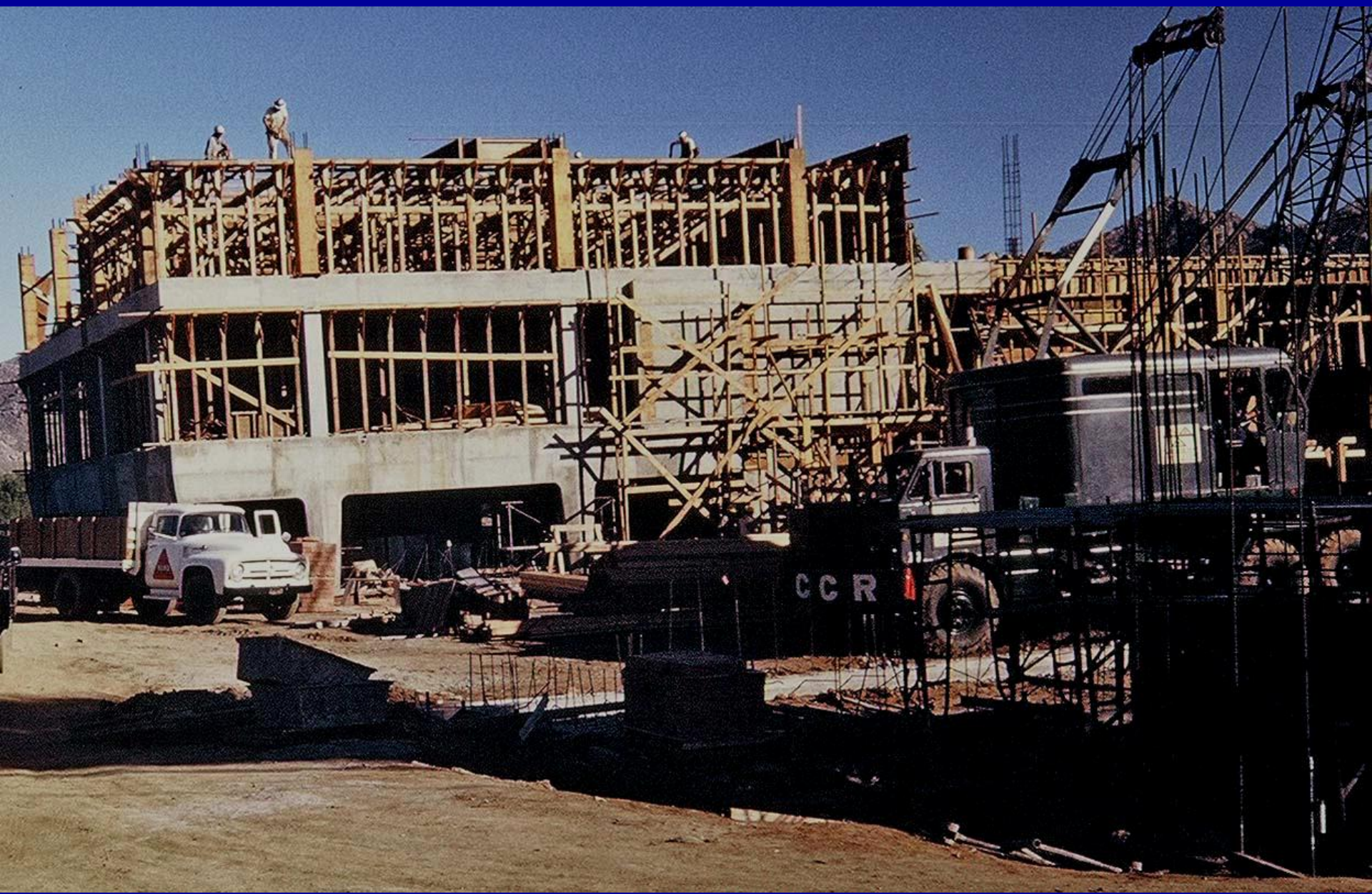
UCR campus; 1965



Herman Spieth George Helmkamp James N. Pitts Thomas P. Jenkin



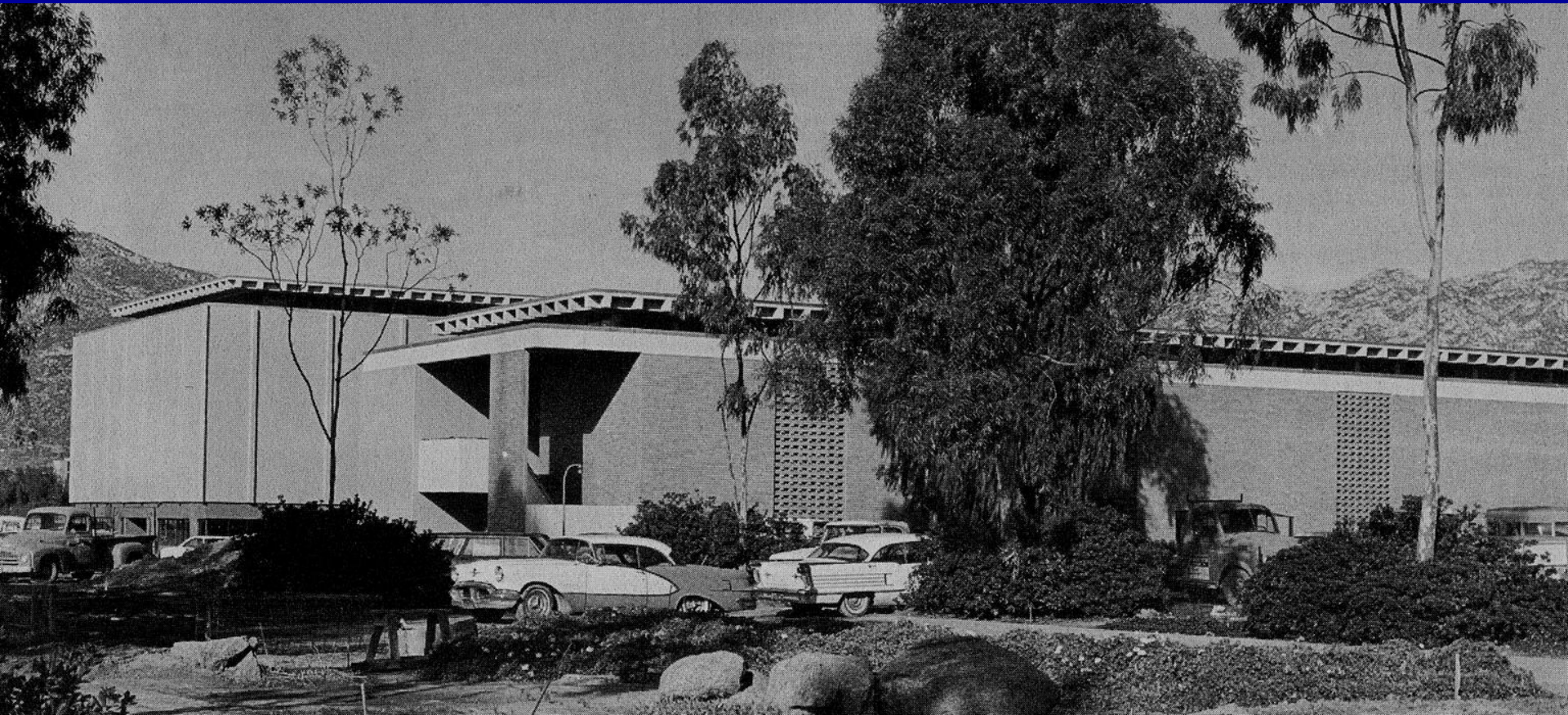
Pierce Hall; 1965



Pierce Hall, 1965



Pierce Hall; 1966



Pierce Hall; near completion; 1966



NSF Wing, Pierce Hall; 1967

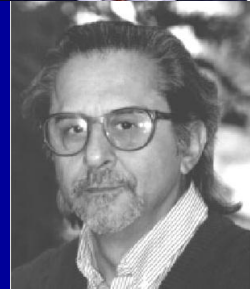
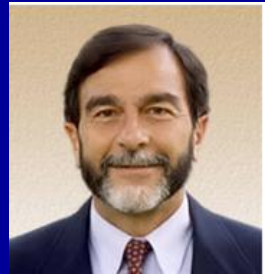


Joe Behar/Robert C. Neuman student; HR-100 NMR, Pierce; May, 1967



Pierce Hall; 1968

Distinguished Students



• Undergraduates

- Albert Page, 1956; UCR (soils)
- Bruce Rickborn, 1956; UCSB
- L. Donald Shields, 1959; Pres. Cal State Fullerton & SMU
- Leonard Interrante, 1960; UCB, GE, RPI (Chair)
- Richard Kula, 1960; NSF Fellowship, U of Wisc
- Dino Tinti, 1962; UC Davis
- Guenter Ahlers, 1962; UCB Physics (National Academy)
- Howard Needles, 1963; UCD
- Clifford Woolfok, 1963; UCI Biochem
- Richard R. Schrock, 1967; MIT (Nobel Prize, 2005)
- Richard McCreery, 1970; Ohio State (Dow prof; Chair)

• Graduates

- Richard Kula, 1964; U of Wisc (Dean Rabenstein's mentor)
- Frank Schultz, 1967; U of Indiana/Purdue (Chair)
- William Fenical, 1968; Scripps Inst Ocean, UCSD

Research and Technology Frontiers

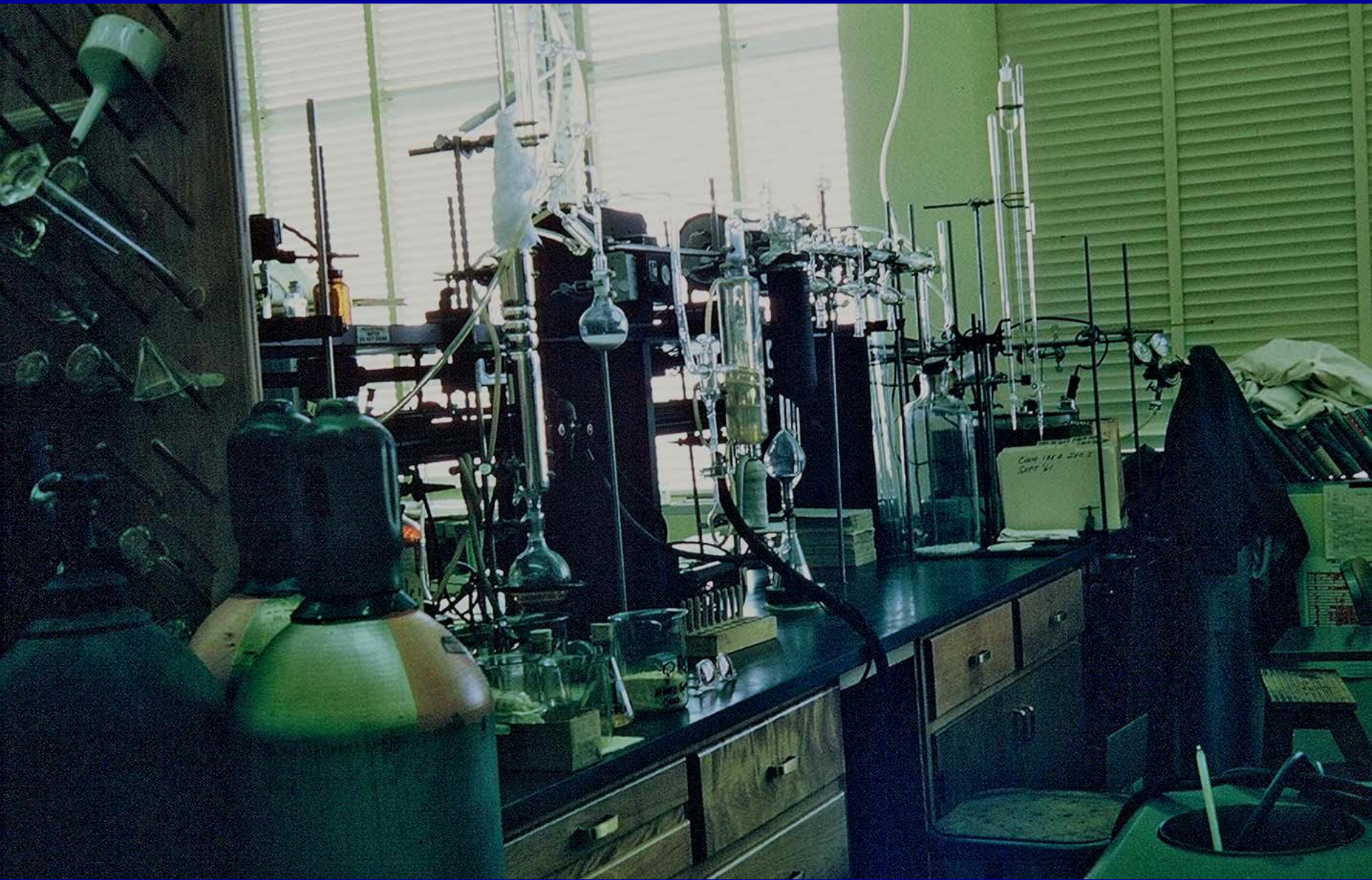
- Physical Organic Chemistry; Synthesis & Natural Products; Polymer Chemistry
- Coordination Chemistry; X-ray crystal structures; Boron & Organo-metallic Chemistry
- Molecular Spectroscopy; UV-vis, IR, NMR, ESR, Raman
- Instrumental Analysis; Cyclic Voltammetry, Mass Spectrometry, GC, GC-MS, HPLC, X-ray fluor, AA & ICP, FIA, Digital Electronics, FT-data processing via digital computers
- Protein Chemistry & Molecular Biology



Physical Sciences; 1958-66



Physical Sciences; 1958-66



Research Lab, Physical Sciences Addition; 1960s



George Helmkamp

James N. Pitts



James N. Pitts

Herman T. Spieth Thomas P. Jenkin

Harry W. Johnson



Preparations for Pierce Hall; Physical Sciences; 1964



Pierce Hall; 1965



Pierce Hall; May, 1967



Pierce Hall; ca 1968



W. Conway Pierce; 1954



Varian A-60 NMR; Bob Neuman; 1967



Michael Rettig; 1967?



Webber Hall; 8-63



UCR; 12-79



UCR; 1984