Box 1:

Biographical information
  Biographical sketches
  Correspondence related to nomination for distinguished professor and employment appointments, 1984-85

Research proposals, reports, and correspondence related to proposals and reports
  Reports on radio waves and transmissions, 1956, 1958
  Correspondence, report, and proposal to Air Force on scintillation, 1966-67
  Reports to Air Force on theoretical investigation of solar eclipse, 1966-69
  Reports and proposal to National Science Foundation (NSF) on wave activities, 1966-69, 1990
  Reports and proposal to National Science Foundation on ionosphere and wave propagation; correspondence and 1966, 1971-74
  Correspondence and report on ionospheric electron content and navigation, 1966-72 (2 folders)
  Correspondence and research proposal to NASA on ionosphere and wave propagation, 1966-71
  Research proposal to Radio Astrological Lab on propagation studies, 1968
  Research reports and correspondence on radio waves and ionosphere, 1968-70
  Progress reports to Air Force on theoretical studies and experimental work to investigate conjugate ionospheric total electron content behavior, 1969-70
  Correspondence and proposal to NASA on equatorial scintillation, 1970, 1972
  Correspondence and proposal to Air Force on dynamic effects in the ionosphere, 1970-76
  Progress reports on ionospheric model study, 1970-71
  Progress reports to Air Force on measurements and comparisons between ionospherically propagated radio waves and total electron content, 1970-73
  Correspondence and research proposal to National Science Foundation (NSF) on ionosphere and wave propagation, 1971-74
  Correspondence and research proposals to NASA on ionospheric irregularities and scintillation, 1972-74
  Research proposal to U.S. Army on pulse synthesis, 1973
  Research proposal to NSF on degradation of communication signals, 1973-74
  Correspondence and research proposal to National Oceanic and Atmospheric Administration (NOAA) on radio beacon experiments, 1973-76
  Report to Air Force on studies of certain dynamic effects in the ionosphere, 1973
  Research proposals to Air Force on ray training, 1974-75
  Reports and correspondence on studies of ionospheric scintillation problems, 1975-78

  Correspondence and research proposal to the Air Force on coherence bandwidth, 1976-82
Correspondence and research proposal to the U.S. Army on scintillation, 1976-80
Correspondence and research proposal to National Science Foundation (NSF) on ionospheric scintillation problems, 1977-78
Correspondence and research proposal to Rome Air Development Center, 1977
Proposal on leading edges to Rome Air Development Center, 1977
Correspondence and research proposal to Rome Air Development Center, 1977

Box 2:

Correspondence and research proposal to NSF on gravity waves, 1978-81
Correspondence and research proposal to National Science Foundation (NSF) on gravity waves, 1978
Correspondence, research proposal and report to National Science Foundation (NSF) on ionospheric scintillation problems, 1979-82
Correspondence and research proposal to National Science Foundation (NSF) on ionospheric scintillation problems, 1979-82
Research proposal on time delay anomaly, 1980
Correspondence and research proposals to National Science Foundation (NSF) on acoustic-gravity waves in atmosphere, 1981-84
Correspondence and research proposal to Air Force on scintillation measurements, 1980-83
Correspondence and research proposals to National Science Foundation (NSF) on acoustic gravity waves in atmosphere, 1981-84
Correspondence and research proposals to National Science Foundation (NSF) on scintillation, 1982-84
Correspondence and research proposals to National Science Foundation (NSF) on scintillation, 1982-84
Correspondence and research proposal to Aerospace Corporation on GPS ionospheric time delay, 1983, 1985
Reports and correspondence on ionospheric effects on HF spread spectrum systems, 1983-88
Correspondence, proposal, and report to Research Board on radio beacon receivers, 1983-85
Correspondence and proposals to National Science Foundation (NSF) on scintillation, 1986-88
Correspondence and research proposal to U.S. Army on sounding ionosphere, 1986-88
Correspondence and proposal to U.S. Army on Center for Geosciences research, 1986
Correspondence, reports, and proposal to National Science Foundation (NSF) on scintillation, 1988-90
Correspondence and research proposal to National Science Foundation (NSF) on studies on gravity, 1989-91
Research proposal on equatorial ionospheres, 1990
Research proposal to U.S. Army on ionospheric response to wideband signals, 1990-93
Research proposals on RADC expert science, 1990, 1993
Research proposal to U.S. Army on ionospheric response to wide band signals at high frequencies, 1990-92
Research proposals to National Science Foundation (NSF) on gravity, 1991-93
Research proposal to NASA on ionospheric and atmospheric remote sensing, 1992
Research proposal and report to National Science Foundation (NSF) on radio topographic data, 1997-98, 2000
Correspondence and proposal to National Science Foundation (NSF) on low altitude and CIT ionospheric images, 2000-02
Report on propagation of spherical waves to NASA, not dated

Notes, papers, and correspondence related to research
"Anisotropic Excitation of Gravity Wave Modes around a Spherical Globe" by K.C. Yeh, date unknown
Notes on acoustic gravity waves, date unknown (2 folders)
Notes on Huygen-Fresnell Principle and other various calculations, dates unknown
Notes on pulse propagation, dates unknown
Notes on physics problems, dates unknown
Notes on wave propagation, dates unknown (2 folders)
Notes on electrodynamic equations, elastic collision processes, plasma kinetic theory, macroscopic equations, basic phenomena, charged particle orbits, and charged particle interactions, dates unknown
Notes and diagrams on Fourier transformations and numerical integration, dates unknown
Nonlinear interactions of a gravity wave and vortical modes in the atmosphere, dates unknown
“Electron Density Distribution Deduced by the Faraday Rotation Method” by K.C. Yeh, date unknown

Box 3:

Notes and calculations, c. 1950s (2 folders)
Notes on Quantum Mechanics, 1956-57
Notes on classical mechanics and calculus, 1957
“The Scintillation of Radio Signals From Satellites” by K.C. Yeh and diagrams, 1959
“Gradient Instabilities as Possible Causes of Irregularities in the Ionosphere” by K.C. Yeh and notes, c. 1960
Papers and notes on multiple scattering, c. 1960
“Note on the Geometry of Earth magnetic Field Useful to Faraday Effect Experiments” by K.C. Yeh, and diagrams, 1960
Satellite monthly reports, 1960
“Variations of Ionospheric Electron Content During Disturbances” by K.C. Yeh, 1961
Correspondence regarding papers and Advisory Group for Aerospace Research and Development (AGARD), 1964-65
Correspondence regarding science problems, employment, and former students, 1964-68
“Diffraction of Random Waves in a Homogeneous Anisotropic Medium” by K.C. Yeh, 1965
Notes, correspondence and reports on study of ionosphere group delay and electron
content in navigational ranging, 1967-72
Correspondence with Maurice Youakim, 1969-71, 1976-78
Correspondence on 1970 Eclipse
"Gravity Waves in the Ionosphere" by K.C. Yeh, 1970
Correspondence and work with H.R. Cho, 1970
Notes on dispersions of wave packets, 1970s
Correspondence relating to studies of ionospheric waves, 1973-79
Notes and papers on ionosphere, 1977
Correspondence and reports on atmospheric events, 1981, 1985
Correspondence regarding research on acoustic gravity, 1982-83, 1985, 1987
Correspondence related to studies of ionosphere in India, 1983-84, 1987
Correspondence and "White Paper Submitted to the SDIO Innovative Science and Technology Office" by K.C. Yeh, 1985
Correspondence regarding Advisory Group for Aerospace Research and Development (AGARD), 1985-92
Correspondence on NASA Explorer Project, 1988
Correspondence on transmitters, 1988
Notes and correspondence on spread spectrum communications, 1988
Correspondence on storm data, 1989-91
Correspondence regarding Super WAGS, 1990-92

Box 4:

Notes on ionospheric tomography, 1990
Union Radio-Scientifique Internationale membership, 1990-91
Correspondence on International Meeting on Wave Propagation, 1990-91
Correspondence regarding papers, 1991-92
Correspondence with Kejun Yang, 1991
Papers on acoustic gravity packets, 1991
"Ionospheric Response to a Solar Eclipse in the Equatorial Anomaly Region" by K.C. Yeh, 1995
"Polarization Transformation of a Wave Field Propagating in an Anisotropic Medium" by K.C. Yeh., notes and correspondence, 1998-99
Notes on tomography, 1998
"Effects of Irregular Terrain on Waves – A Stochastic Approach" by K.C. Yeh, 1999
“Effects of Irregular Terrain on Waves – A Stochastic Approach” by K. C Yeh; correspondence, 1999
Studies of low altitude ionospheric images, 2000-02

Photographs, Graphs, and Slides
Slides of Southern Lights (Auroras Australis), dates unknown
Photographs and graphs of experiment, dates unknown
Photographs and graphs, c. 1950s
Graphs on transequential ionospheric propagation by the scatter sounding method, 1956
Graphs on fading and attenuation of high-frequency waves propagated over long paths, 1958
Photographs and graphs of experiments, c. 1960s-80s

Correspondence with researchers abroad and foreign travel
- Correspondence on U.S.-Eastern Cooperative Science Program, 1971-91 (2 folders)
- Correspondence with researchers in Taiwan, 1967-68
- Correspondence on U.S.-Italy Cooperative Science Program, 1973-74
- Correspondence with researchers in Brazil, 1976-80
- Travel to China, 1981-83, 1986-87 (2 folders)
- China experimental university, 1985, 1990
- Correspondence with researchers in India, 1986-92
- U.S.-Poland research on high-altitude ionospheric scintillation, 1992, 1996
- Researchers in China, (2 folders) dates unknown
- Station Data and correspondence with researchers in China, 1994-96, 1998

Course Notes
- EE420, date unknown
- EE355, 1956
- EE229, 1959, 1975, 1979-80

Box 5:
- EE350, 1973, 1992
- EE358, 1986
- EE358, 1987

Data
- Audio tape on MAG Storm Data, 1989
- CD-ROMs on tomography and LITN Analysis Program, c. 1990s

Box 6:

Boxes 6-10 include materials transferred in 2010.

University Course Materials (student)
- Math 206a, 32 1,332,345, 1951-1953
- Electrical Engineering 160: Electronic Circuits, 1953
- Electrical Engineering 235: Network Analysis, 1953
- Physics 57: Atomic Physics, 1953-1954
- Electrical Engineering 236: Circuit Synthesis, 1954 (2 folders)
- Electrical Engineering 275: Radio Propagation, 1954
- Physics 211: Microwave Electronics, 1954
Electrical Engineering 237: Circuit Synthesis II, 1955 (2 folders)
Electrical Engineering 226 227 228: Transistor Electronics, 1955-56 (2 folders)
Electrical Engineering 238: Active Networking Theory, 1956
Electrical Engineering 150: Electronics Teaching, 1956
Electrical Engineering 280: Solar Seminar, 1957
Physics 221: Electromagnetic Theory, 1957
Textbook (in Chinese)

Box 7:

Correspondence
Curriculum Vitae, 1999-2002
Lee, Jeng-Feng recommendation, 1992
Personal (in Chinese)
Political, 1970-1989
Political 1998-2000
Promotion, 1988-1992
Reference (preprofessional, 1968-1992
Reference (professional), 1980-1996
Tyagi, Tuhi Ram, 1980-1983
University of Hawaii, 1968-1970
Yang, K.S. nomination, 1988

Course Materials (instructor)
Electrical Engineering 341, 1960
Mechanical Engineering 202: Thermodynamics, 1962
Electrical Engineering 486: Constitution of the Ionosphere, 1963
Math 451 and 468, 1963
Electrical Engineering 266: Probabilistic Methods in Electrical Engineering, 1974 (2 folders)


Research Reports (5 folders)
“Multiple Scattering of Electromagnetic Waves by Random Scatteres of Infinite Size,” 1963
“Steady State Fluid Models of the Ion-exosphere,” 1966
“Response of Ionospheric Electron Density to a Change of Electron Temperature,” 1966
“Diffusion of Rays in Random Media,” 1968
“An Investigation of F2 Ionospheric Behavior by Computer Methods,” 1968
“Studies of the Ionosphere at Geomagnetically Conjugate Stations,” 1969
“A Study of Traveling Disturbances in the Ionosphere,” 1970
“Investigations of Ionospheric Total Electron Content Behavior at Conjugate Points and During a Solar Eclipse,” 1970
“A Numerical Study of Rays in Random Media,” 1970
“Techniques of Determining Ionospheric Structure from Oblique Radio Propagation”
Measurements,” 1976
Sabbatical
  Leave, 1965-1966
  Leave, 1976 and 1989

Box 8:

Subject Files
  Certificates and Awards
  Exercise Books-Calligraphy (2 folders)
  Exercise Books-Shanghai High School
  Map of China, 1948
  National Sun Yat-Sen University, 1978-1979
  National Sun Yat-Sen University, 1989
  National Sun Yat-Sen University, 1984-1990
  National Taiwan University, 1973-1974
  National Taiwan University, 1977
  National Taiwan University-Alumni List
  National Taiwan University-Electrical Engineering (in Chinese)
  National Taiwan University-Electrical Engineering Alumni Association in America (3 folders), 1964-1968
  Nomination for honorary degree, Shin-Liang Chien
  Progress Reports-Chao-han Liu
  Relocation to UIUC, 1976
  Retirement Party-G.W. Swenson
  Salary Encumbrances, 1976-1987
  Yeh, Su-chung (father) Memorial Materials
  Zhongshan University (in Chinese)

Box 9:

  Oversized photographs (2)
  Oversized Awards (2)
  Plaques (2 in Chinese)

Box 10:

  Decorative plate in picture frame (in Chinese)