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Alumni Association
Alumni
Richard K. Cook Papers, 1931-82

Box 1:

RESEARCH RESOURCE MATERIALS (as identified by the creator) - materials include announcements, articles, correspondence, illustrations, manuscripts, memos, and reports.

B1 - Program for Basic Research on Acoustics, 1971-74
B2 - Evaluation Panel, 1971-75
B3 - Position Inquiries, 1970-72
B6 - Request for Reprints, 1971-76
B11 - Reverberation Chamber, 1972-74
B12 - National Measurement System, 1972-73
B13 - Modulated Reverberation, 1973-79
B14 - Patent on Modulated Reverberation, 1973-74
B15 - Patent on Total Energy Density, 1973-74
B17 - Total Energy Density, 1974
B18 - Patent on Paraholography, 1974-75
B19 - Acoustic Emissions, 1975-78
B20 - S-W Tube Power, 1948, 1963, 1974-79
B21 - Patent on Phase Shift Measurement, 1976-77
D1 - American Geophysical Union, 1963-77
D2 - Acoustical Society of America, 1970-79
D3 - NAS-NRC: Hearing, Bioacoustics, and Biomechanics, 1954-80
D4 - WCASA Meetings, 1962-78
D5 - Dictionary of Architecture and Construction, 1970-74
D6 - AAAS Council, 1971-73
D7 - Washington Academy of Sciences, 1972-75
D8 - 1972 Conference on Technology and Governance, 1971-72
D9 - ANSI/S1, 1971-75
D10 - ISO/TC, 1972-75
D11 - ANSI/S3, 1971-75

Box2:

D12 - ASTM/C-20 and E-33, 1971-75
ASTM/E-33, St. Paul 1973, 1972-73
D13 - ANSI/S1- 57 - Atmospheric Absorption, 1971-78
D14 - AGARD/NATO, Ionospheric Acoustics, 1971-72
D15 - Reviews for Journals, etc., 1966-80
D15 - Reviews for Dessler, et al., 1979-74
D16 - ANSI/S3 - 43, 1970-73
D17 - Institute of Noise Control Engineering, 1971-73

D18 - Glossaries, 1971-72
D19 - IUPAP - (Acoustics), 1972-79
D21 - AA & NP Symposium, 1972-74
D22 - Cordoba, Seminar on Acoustics, 1972
D23 - Noise-Con 73, 1973-74
D24 - Journal of Physical and Chemical Reference Data - Editorial Board, 1972-75
D25 - IEEE Intercon 1973, 1971-73
D26 - Paris - Colloquium on Infrasound, 1972-75
D27 - Research Proposal Evaluation, 1957-71
D28 - Varenna - Seminar on Infrasound, 1974-75
D29 - 8th ICA - London 1974, 1974
D30 - Inter-Noise 74, 1974
D32 - ASA Meeting, Austin, TX, 1974-75
D33 - Inter-Noise 75, 1975
D34 - Calls for Meetings, 1975-77

Box 3:

D35 - History of American Acoustics - 1976, 1972-77
D36 - SI/Metric System, 1974-77
D38 - 9th ICA, Madrid, 1977
Quartz, 1955-56
Acoustics Instrumentation, 1941-55
Bessel Functions, 1944-46
Behavior of Acoustic Materials, 1948-51
Burner Noise, 1952
Elastic Constants and Hydrostatic Pressure, 1956-57
Electret, 1951
Engineering Mechanics, 1936-39
Equations of Piezoelectricity, 1947-48
Free-Molecule Propagation, 1952
Ice - Piezoelectricity, 1948-57, 1969
Acoustic Impedance of a Right Circular Cylindrical Enclosure, 1953-79
Radiation of Sound by Vibrating Absorbers, 1946-47
Randall's Thermophone Data, 1933
Sound Velocity and Specific Heats of Gasses, 1947-48
Theory of Wagner Ground Balance for Alternating-Current Bridges, 1947-48
A Short-Tube Method for Measurement of Impedance, 1947-75
Thermal Voltage of a Quartz Crystal, 1946-50
Small Oscillations of a Chain Under Gravity, 1950-52
Analysis of Mechanical Impedance, 1957
Anelasticity of Quartz, 1949-55
Behavior of Acoustic Materials -1948, 1947-50
Superposition Principle, 1940-49

Absolute Free-Field Calibration of Microphones, 1941
 Absorbtion of Sound by Patches of Absorbent Material, 1934, 1959
 Rice - Thunder, 1963-69
 Wind on Microbaroms, 1968-69
 Absolute Pressure, Calibration of Microphones, 1940-50

Box 4:

Stability of Lakes, 1963-68
 Strange Sounds, 1961-73
 Measurement of Correlation Coefficients in Reverberant Sound Fields, 1950-55
 Laboratory Standard Microphones, 1946-53
 Measurement of Electromotive Force of a Microphone, 1946-48
 Mechanical Impedance
 General Research Materials, 1947-76
 Nuclear Magnetic Moment of Aluminum, 1934-50
 Holder for Quartz Crystal Bar - Q-Meter for Measurement of Piezoelectric Constants, ca. 1950
 Absorbtion Measurements - Interlaboratory Comparison, 1948-52
 Hydrophone Measurements, 1951
 Anelastic and Dielectric Loss of Quartz, 1956
 Sound Absorbtion by Areas of Finite Size, 1959-61
 Daniels - Area Effect, 1959-63
 Dutch Electroacoustics Congress, 1951-53
 Measurement of Particle Velocity, 1981
 European Travel, Summer 1953, 1952-53
 European Travel Summer 1955, 1955
 Spark Photos, 1959
 Inter-Modulation, 1967
 Earthquakes, 1960-71
 Some Properties of Struve Functions, 1956-57
 Acoustical Measurement Techniques, 1953-55
 Modulated Reverberation, ca. 1980
 Correlator - Signal/Noise, 1962
 Piezoelectric Constants of α and β Quartz at Various Temperatures, 1948-55
 Modulated Reverberation, 1973
 Advisory Committee of Audiometers and Hearing Aids, 1953-54
 Department of Labor Pay Increases, 1958-64
 Thermophone Test Data, 1939-40
 Report on Acoustic Proximity Fuses, 1941
 Physical Acoustics at UCLA in the Study of Superfluid Helium, 1975

Box 5:

Aircraft Weight, 1968-81

Reviews for Applied Mechanics Reviews, 1948-53
Richard V. Waterhouse Subject File, 1951-65
Reviews for Quarterly Book List, 1947-55
Statistics of Testing, 1946-47
Travel, 1947-56
Project Reports, 1952-54
Quarterly Reports (Prior to July 1, 1952), 1944-52
Modulated Reverberation Recordings, 1973
Phasemeter, 1973
EPA Noise Report, 1971
Mars - Canals and Satellites, 1965-72
Scattering by a Sphere, 1976
Total Energy Density, 1973-74
The Moon, 1966-71
Thunder and Sound Propagation. 1965-69
Flow Velocity, 1970-76
Magnus Effect on Baseballs, 1957-59
Transients, 1962-71
Sound in Cavities, 1944-67
Infrasound Measurement System, 1968-71
Atmospheric Sound Propagation, 1968-72
Montana Earthquake, 1959
Montana Earthquake, 1959-71
Radiation by Ocean Waves, 1962
Sonic Boom, 1966-+70
Seismic and Underwater Boom, 1970-72
Manuscript - Generation and Propagation of Sound Waves between the Ionosphere and Lower Atmosphere, 1972

Box 6:

Auroral Infrasound, 1960-71
ISO/TC 43: Loudness Scale and Contours, 1955-56
Origin of Microseisms, 1962-68
Alaskan Earthquake, 1964-67
Project on Propagation of Sound in Solids, ca. 1965
Proposal on Acoustic Particle Velocity to Naval Laboratory, 1981-82
Symbols and Terminology for Acoustics, 1959-67
Absorption of Sound by the Atmosphere, 1976-77
Sound Laboratory, 1947
Building Acoustics and Impact on Humans, 1979-80
Smithsonian Institution - Center for Short-Lived Phenomena, 1967-68
ASTM/E-6, 1966-67
European Scientific Notes, 1974-77

Workshops of Laboratory Accreditations, 1982
The Moon, 1970-73
NSF-AFOSR-ONR, 1979-81
Bruel and Kjaer Instruments, 1982
Philosophical Society, 1942-75
Measurement of Acoustic Partical Velocity to Air Force Geophysics Lab, 1982
Point, Line, and Plane Sources, 1962-67
Shallow Water Sound, 1968-70
Sonic Boom in Water, 1967-70
Arrays, 1968-75
Acoustics Research Survey Committee, 1970
Subsonic Atmospheric Oscillations, ca. 1965
Watson Memorial Lecture, 1969-76

SLIDES AND TRANSPARENCIES

Slides and Transparencies, ca. 1960-75

Box 7:

SCIENTIFIC LOG BOOKS

Acoustic Fuses, 1941
Advanced Calculus and Analytical Mechanics, 1945-46
Analytical Mechanics, 1941-42
Audiometer: Procedure for Calibration, 1943-55
Defects of Quartz Crystals, 1954-55
Differential Equations, 1944-45
Electrodynamics, 1931-32
General Note Book; National Bureau of Standards (6 volumes)
 1937-38
 1938-39
 1939-40
 1940-44
 1940-41
 1944-46
National Defense Research Committee, 1941-42
Vibrations of Quartz Crystals and Detwinning of Quartz, 1944-55
Vibrations, 1942-43; Vibration and Sound, 1946-47; Electrodynamics, 1956

CORRESPONDENCE

Correspondence 1965-66, 1953-66
Correspondence 1967-69, 1967-69

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Correspondence 1970-72, 1970-72

Correspondence 1973-74, 1973-74

Box 8:

Illustrations for Acoustical Measurement of Gas-Flow Velocity, April 1976