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Graduate College
Computer-Based Education Research Laboratory
Brian W. Voth Papers, 1950, 1960-70, 1984, 1997

Box 1:

Resume and Files List, 1997
PLATO III, II, I -- Design drawings of slide scanner, 1960-62
PLATO III Volume I -- Design drawings and calculations, 1961-65
PLATO III Volume I -- Photographs, including a list of photo identifications, 1961-65
PLATO III Volume II -- Design drawings and calculations (2 folders), 1962-66
PLATO III Volume II -- Storage tube technical information, 1950, 1963, 1966-68
Shared Hardware Audio Response System (SHARS) -- Design drawings and calculations, 1965-69
SHARS -- Photographs and Report, 1969
SHARS Patent Papers (including photographs and report), 1967-70, 1984
CBERL Plasma Panel -- Circuit design notes, 1965-68
CSL Photo CRT -- Design notes and data, 1966-67
NMR Probe-Accessories-Wilmad Glass, 1989
 Capillary Probe Notes, 1989-95
 Design and Limits to Sensitivity, 1968-98 (2 folders)
 Figures of Merit Patent, 1997-98
 High Resolution Microcoil H-NMR, 1995
 Line-fitting, 1994
 Lorentzian Curve-fit COnsiderations, 1963-1995
 Magnetic Resonance Microscopy, 1992
 On-line Detection of Amino Acids and Peptides, 1995
 Quartz Crystals, 1954-91
 Reference Standards, 1975, 1978, 1994
 Sensitivity and Noise Analysis, 1992
 Technical Articles, 1949-95
 Microcontact Printing, 1997
Immersed Flattened Solenoid Probe-co-authored paper, 1993-94
 Disclosures, 1987-95
 Invention Disclosure, 1988
 Math Details, 1994
 Mechanical-Electrical Details, 1987
 Performance Data, 1987-88, 1994

Box 2:

GN 300 Imaging Probe-Gradient Coil and Driver Details,
 Gradient Controller Software and Hardware, 1986-87
 Hodges Notebook, 1984-86
 Mechanical Details, 1987-89
 OBS Coil and Tune-Match Network, 1987-88
 Performance Data, 1987
 Shimming Procedures, 1987-94
 Slides (no dates)
 Software, 1987
 12mm Probe Radiation Damping, 1986-88
Etched Coil High Pressure Probe-Activity Reports, 1989-90

Feed Throughs, 1979-90
 Probe Networks, 1989
 Notes, 1978, 1989, 1994
 TRS-80 MOD III-Digital-Analog Converters, 1982-83
 Software, 1980-84
 Disk Deassembler (10 floppy disks), 1984-92
 Practical Programs and 64 Soft, 1986-89
 Altimeter, Variometer, Strain Gauge, Amateur Radio, 1966-97
 Amplifiers, 1961-97
 Batteries-Lead Acid, NiCad, Alkaline, 1964-89
 Biomedical Magnetic Resonance Laboratory, 1986-96
 Burke Electric Alternator, 1980-82
 Circuit Theory-IRE Transactions, 1958
 Circuitry: Instruments, 1973-95
 Computer Programs and Files, 1994
 Correlation Spectroscopy, 1992-94
 Curves (no dates)
 Data Acquisition/Conversion, 1970-95
 Design Notes and Data, 1993-94
 Electromechanical Torquers, 1960-90
 Electron Devices, IEEE Transactions, 1966
 Fiber Optics, 1965-66
 Field Plots-Solenoids and other kinds, 1989-93
 Filters-Switched Capacitor, 1959-92
 Fourier Techniques, Hibbert Transforms, 1956-89
 General Technical Commentary
 Halltron and Gauge Meter, 1962-89
 Hewlett Packard Electronic Counter: Model 5381A, 1979
 Hewlett Packard Plotter: Model 7470A, 1991
 Imaging Systems-Programming, 1980-98
 Integrad and Discrete Fourier XFMS Digitization and QPD, 1980-92
 Investment Reading Notes, 1996
 Investment Record 1969-97
 Linear System Analysis, 1960-91
 Magnetic Materials and Shielding, 1958-87
 Magnetic Susceptibility, 1986-88

Box 3:

Mathematics-Articles and Programs, 1984-95
 Microwave Ovens, 1976-97
 Microwave Systems-GaAs FETs and LNA Designs, 1974-89
 MRO Integrator-Design Notes and Data, 1959-60, 1997
 MRO Quantized Video Processor-Equipment Report, 1961
 MSL, 1984-89
 Numerical Analysis, 1960-91
 NSF 250 Probe, 1960-91
 Organic Chemistry Hydrocarbon Review, 1989
 Orthogonal Expansions, 1978-99
 1982-92

1991-92
Personal Computers, 1975-93
Photo-Optic-Laser, Photo-resist, 1964-89
Power Supplies, 1991
Practical Temperature Measurements, 1980
Properties of Plastics: Polyester, Teflon, 1970
P31 Probe-Tune-matching, 1994
Quantum Design's Magnetic Property Measurement System, 1995
Radio Frequency, 1963-90
 Impedence and Testing, 1963-1989
 Probe Matching Networks, 1990-92
 Systems and Noise Management, 1959-87
 Ultrasonic Networks, 1956-87
Satellite Systems, 1967-82
Science Articles, 1983
Shimming Procedures-Sensitivity, 1981-91
Silver Reed Printer, 1981
Smoke Detectors, 1988-97
Soldering and Welding, 1969
Telephone Log, 1988-99
Television Sets, 1974-85
Television-Horizontal Output Design, 1981-88
Thermistors, 1953-75
30AC Machinery-Symmetrical Components-Carm'
 Hospital Motor Generator, 1976-81

Box 4:

Vacuum Tubes and Semiconductors, 1959-90
Walsh Functions, 1971-91
 Diagrams, 1991
Wire, Cable, Switches, Fuses, 1963-91