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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, 1982083
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