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OSCAR SEAWELL

APRIL 2016

BY PRANA CHERNOVA

AND

ELIZABETH SEITZ

Biographical Sketch: Oscar Drumheller Seawell was born in 1923 in Yakima, Washington State, United States of America. He began studies at Whitman College in Washington in 1941 with a military draft deferment to study physics. In 1943 he enlisted in the U.S. Army and was assigned to the Army Specialized Training Program to study advanced Civil Engineering for a school year at the University of Utah. After serving in the United States and on Guadalcanal, the Philippines and Japan, he was discharged in January 1946 and returned to studies at Whitman College and worked as part-time assistant physics laboratory instructor.

In 1947 he received a Bachelor of Arts (Hons.) with major subjects physics and mathematics from Whitman College and took post-graduate civil engineering classes at the Massachusetts Institute of Technology in Cambridge obtaining a Masters degree in Science in Civil Engineering in 1948.

While employed by General Electric Company analysing nuclear reactors Seawell also attended the Oak Ridge School of Reactor Technology and from 1964 to 1970 he took additional nuclear and mechanical engineering classes part-time, at Stanford University in Palo Alto, California.

Through continuous part-time training which began in 1949 as an Officer in the Corps of Engineers in the United States Army Reserve Seawell rose to the rank of Lieutenant Colonel and over time, was engaged in duties as a construction engineer, combat engineer company commander, public works and utilities officer, and sanitary engineer. Through correspondence courses Seawell earned a Diploma from the U.S. Army Command and General Staff College at Fort Leavenworth, Kansas in 1974.

Seawell worked in the construction industry for a short time and was a nuclear engineer for eleven years. His work at that time mainly concerned nuclear reactor design and safety, and performing systems and operations analyses with an emphasis on creating computer simulations which were, between 1948 and 1989 quite diverse.

Seawell's teaching career included work as an Assistant Professor of Civil Engineering at the University of Idaho from 1952 to 1956, where he met and married Bonnie Scott in 1953. In 1956 they moved to Los Angeles, California where he worked as a nuclear engineer for Atomics International and The Marquardt Corporation. In 1956/57 and again in 1961/62 Seawell taught a nuclear reactor design extension class for the University of California, Los Angeles and in 1964 he and Bonnie moved to Palo Alto, California, where he taught engineering classes at San Jose State College.

He was then employed as Principal Analyst with Computer Usage Development Corporation and as Senior Operations Analyst in the Systems Applications Group of Stanford Research Institute.

In 1971 Oscar moved his family to Regina having accepted an appointment as Professor of Mechanical Engineering at the University of Saskatchewan, Regina Campus (known as the University of Regina since 1974). After initiating a short-lived Mechanical Engineering program he then planned and initiated a new Industrial Systems Engineering program, and his title was changed to Professor of Systems Engineering. He taught a variety of subjects from introductory through upper level engineering for students in other fields as well as Industrial Systems Engineering.

In 1960 Seawell was the Task Force Chairman for the American Standards Association with a mandate to prepare of a general guide for analysing nuclear reactor accidents. He was Chairman of the Los Angeles Section of the American Nuclear Society for 1963/64 and Vice-

Chairman for the University of Regina Faculty Association Executive Committee in 1975/76 and the Chairman in 1976/77. Seawell was the Engineering Curriculum and Program Committee Chairman from 1972 to 1980 and the Chairman of the President's Budget Advisory Committee in 1979/80, and Committee Chairman for the Faculty Association in 1988/89.

Seawell retired as Professor Emeritus in 1989 but continued to teach Engineering part-time through 1993. He and his wife Bonnie continue to reside in Regina.

Revised by Oscar Seawell,
January 15, 2016

Scope and Content: The files relate to sources for the world's energy, and Seawell's teaching and research material in the field of nuclear energy. The collection ranges in date from 1949 to 1990 but predominantly dates from the 1950s to 1970s. Included as the last folder in the collection is a note to the University Archives from Seawell dated 2004, regarding the material. This collection also includes 19 photographs and oversize material consisting of computer printouts.

Custodial History: The files were donated to the University Archives and Special Collections in December 2015 by Oscar Seawell.

Legal Agreement: The donation agreement is pending.

Future Accruals: Future accruals are expected.

Access Restrictions: The records in this collection are open to researchers however there are closed files in boxes 9, 10, 11, 14, and 15.

Note on Arrangement: The Administration file series contains dividers. These have been retained to provide insight into Seawell's filing system. They do not contain any material. The photographs were numbered and sleeved.

Related Accessions: Related material may be found in 91-77, 92-16, 92-61, 97-18, 2005-10, 2005-11 2013-11, 2013-20, 2013-27, and 2014-56.

| | | Administration Files | |
|-------|---|--|------------------------|
| Box 1 | 1 | A1 Administration (divider) | |
| | | AIF Files and Filing System | 1960 |
| | 2 | Atomic Energy Commission (AEC) Licensing and regulations and map of operating reactor locations in 1970, (state regulations) | 1958, 1960, 1962, 1970 |
| | 3 | A1P1 Patents | 1960 |
| | | A2 Aircraft and Missles [Missiles] and Space Flight (divider) | |
| | 4 | A4 Atomic and Nuclear Energy – General (includes publications) | 1949, 1961, 1964, 1965 |
| | | C2 Construction (divider) | |
| | | C3 Control of Reactors (divider) | |
| | 5 | C3C Control Rods (Grey vs Black) | 1952, 1955-1958 |
| | 6 | C3G Safety Devices | 1958 |
| | | D Documents and Reports (divider) | |
| | 7 | DR Reference – General (includes publications) | 1958, 1960 |
| | | E1 Economic (divider) | |
| | 8 | E1 Economics – Reactors – General | 1960, 1961, 1963, 1966 |
| | | E4 Electronics (divider) | |
| | 9 | E2 Equipment | 1966 |
| | | E3 Engineering – General (divider) | |
| | 10 | E3P Projects Gnomes and Plowshare Underground Nuclear Explosions and Earth-Moving | 1961, 1962, 1964 |
| | | F Fuel, Nuclear (divider) | |
| | 11 | FC 2 Fuel Cycles | 1958, 1960 |
| | 12 | FE Fuel Elements (includes publication) | 1957, 1960 |
| | 13 | FH Fuel Handling and Shipping | [1965] |
| | 14 | FR Fuel – Raw Materials – Uranium | 1959, 1964, 1970 |
| | 15 | FTP Fuel – Plutonium | 1964 |
| | 16 | FTT Fuel – Thorium | 1961 |
| | 17 | FTT Materials Data – Fuels (also see HIM File re: Pu, U, Th) | 1960s, 1962 |
| | 18 | FTU – UO ₂ and U | 1957-1959 |
| | | H1 Hazards (divider) | |
| | 19 | H1E1 Excursion Analyses | 1959, 1962, |
| | 20 | H1E1 Excursion Analyses: Quasi – Equilibrium Primarily for Hazards Summary for Th-U Fuel in the SRE | 1958, 1959, 1962, |
| | 21 | H1E1 Kinetics Stability and CRT Tests of it | 1961, 1963, |
| | 22 | H1E3 Earthquake (includes publications) | 1963, 1967 |
| | 23 | H1H Safety – ACRS Reports | 1962 |
| 24 | H1H Safety Analyses – AEC and Hazards Analyses, (Reports received and in separate files) | 1963 | |
| 25 | H1H Hazards – Carolinas Virginia Tube Reactor (includes hazard analyses – control rods withdrew without valid signal) | 1962, 1964 | |
| 26 | H1H Hazards – Diable Canyon Site, California | 1968 | |
| 27 | H1H Hazards – Dounreay Fast Breeder Reactor | 1961 | |
| 28 | H1H Hazards – Dresden Reactor | 1961, 1962, 1965 | |
| 29 | H1H Hazards – Enrico Fermi Reactor (APDA) (PRDC) (sodium cooled test breeder (includes Hazards Analyses) | 1960, 1961-1963, 1965 | |
| Box 2 | 30 | H1H Hazards Elk River Reactor (includes hazards analyses report) | 1960, 1962, 1965 |
| | 31 | H1H Hazards – Gas Cooled Reactor | 1959 |
| | 32 | H1H Hazards Humbolt Bay Power Plant (PG & E) (includes hazards analyses) | 1960, 1963, 1965, 1968 |
| | 33 | H1H Hazards – Improved Cycle Boiling Water Reactor (cities of Los Angeles and Pasadena) San Francisco Canyon Site | n.d. |
| | 34 | H1H Hazards Indian Point Reactor (consolidated edison) | 1959, 1961, 1965 |
| | 35 | H1H Hazards – Malibu Reactor Los Angeles Department Water and Power | 1963-1965, 1967 |

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|-------|----|--|---------------------------------|
| | 36 | H1H Hazards – National Bureau of Standards Reactors | 1961, 1963 |
| | 37 | H1H Hazards – Pathfinder Reactor (Northern States Power Co.) | 1960, 1963, 1965 |
| | 38 | H1H Hazards – Peach Bottom Reactor Gas-cooled Reactor | 1961, 1964 -1966 |
| | 39 | H1H Hazards – Piqua (includes hazards analyses) | 1961, 1964 |
| | 40 | Hazards – Sacramento Municipal Utilities District | 1968 |
| | 41 | H1H Hazards – San Onofre Nuclear Gen. Sta.; Southern California Edison; Camp Pendleton, California | 1963, 1966, 1967, 1970 |
| | 42 | H1H Hazards NS Savannah | 1961, 1963-1965 |
| | 43 | H1H Hazards – Saxton Reactor (includes hazards analyses) | 1961-1963, 1965 |
| | 44 | H1H Hazards – Sodium Reactor Experiment | 1958 |
| | 45 | H1H Hazards – Southwest Experimental fast Oxide Reactor, Fayetteville, Arkansas | 1965 |
| | 46 | H1H Hazards – Vallecitos and EVESR | 1961-1966 |
| | 47 | H1H Hazards – Vermont Yankee | 1967 |
| | 48 | H1H Hazards – Yankee Nuclear Power Station (Yankee Atomic Electric Co.) (includes hazards analyses) | 1961-1964 |
| | 49 | H1M Materials Hazards – for SPPP (Special Purpose Power Plant) a critical facility for satellite power reactor | 1956 |
| | 50 | H1M Hazards Organics – Hazards | 1957, 1958 |
| | 51 | H1M Materials Hazards – Pu, U, Th, Mg, Ti, Z. Safety Standards (includes publication) | n.d. |
| | 52 | H1N Hazards – Nuclear (includes publication) | 1957, 1961 |
| | 53 | H1T Hazards – Thermal (includes core meltdown) H2 Health and Safety – General (divider) | 1968 |
| | 54 | H2A1 Safety – Accident Statistics - Non-Nuclear | 1980 |
| | 55 | H2A1 Baldwin Hills Dam facilities, Los Angeles 1963 | 1963 |
| | 56 | HEA1 Challenger Disaster | 1986 |
| | 57 | H2A1 Cycles and Catastrophes - Models | 1999 |
| | 58 | H1A1 Disaster Dates | 1961, 1986 |
| | 59 | H2A1 Kansas Flood | 1951 |
| | 60 | H1A1 Safety – Accidents and Incidents – Military Alert of SAC due to communications fault in Fall 1961 | 1962 |
| | 61 | H2A1 Safety – Accidents and Incidents – Mississauga Train Wreck, Nov 1979 (includes publications) | 1979, 1980, 1982 1983, 1989 |
| | 62 | H2A1 Safety - Accident and Incidents – Nuclear (includes publications) | 1957, 1960, 1961, 1963, 1964 |
| Box 3 | 63 | H2A1 Safety – Accident and Incidents – Safety Study / Reference Material | 1960 |
| | 64 | H2A1 Accident Study Proposal | 1960 |
| | 65 | H2A1 WASH-74C Consequences of Major Nuclear Power Accidents (includes publication) | 1957 |
| | 66 | H2A1 Accident Study Correspondence AEC and AF and Internal | 1960, 1961 |
| | 67 | H2A1 Excursions – Uncontrolled Incidents and Other Actual (includes publication) | 1959, 1960, 1966, 1968 |
| | 68 | H2A1 U.S.S. Thresher Loss – Nuclear Submarine | |
| | 69 | H2A1 Safety – Accident and Incident Titanic Sinking Accidents | 1986 |
| | 70 | H2A2 Safety – AEC and Other Government Function ACRS | 1961, 1960, 1963 |
| | 71 | H2F Safety – Fast Reactors (includes inter-office letters) | 1962 |
| | 72 | H2A1 Safety Study – Correspondence – General | 1960 |
| | 73 | H2A3 Aerospace Nuclear Safety | 1960-1963 |
| | 74 | H2A3 SNAP Safety | 1964, 1965 |
| | 75 | H2N Nuclear Reactor Safety (includes publication) | 1959 |
| | 76 | H2N Nuclear Safety – General (includes publication) | 1957, 1958, 1965, 1967 |
| | 77 | H2R1 Radiological Safety – General | 1956, 1958-1960 |
| | 78 | H2R2 Reactor Safety – General | 1959, 1961-1963, 1965, 1966 |

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|-------|-----|---|----------------------------------|
| | 79 | H2R2 Un-moderated Reactor Safety Analysis by Seawell | 1962 |
| | 80 | H2R2 Safety Information from American Nuclear Society (ANS) Meetings | 1962 |
| Box 4 | 81 | Reactors and Safety – General Information | n.d. |
| | 82 | H2R2 References – Safety | 1963, 1964, 1971, 1976 |
| | 83 | H2R2 Safety – Sodium Reactors and Sodium Graphite Reactors Instrumentation and Instruments Control (divider) | 1959, 1962 |
| | 84 | Nuclear Power Plant Control and Instrumentation | 1972 |
| | 85 | IG Instrumentation | 1958, 1959 |
| | 86 | IR2 Instrumentation and Control Equipment for Army Corps of Engineers Package Power Reactor (APPR) | 1954 |
| | 87 | M1 Materials | 1964 |
| | 88 | M1J2 Isotopes (and Elements) – Basic Data | 1944, 1961 |
| | 89 | MIRC Na Properties and Other Liquid Metals Thermodynamic Charts for Rubidium (Rb), Potassium (K), Sodium (Na), Mercury (Hg) | 1960 |
| | 90 | MIRC Coolant Materials | 1961, 1962, 1967 |
| | 91 | MIRM Moderator Material – Graphite and Coating Notes | 1958, 1959, 1962 |
| | 92 | MIRS Material – Structural Sodium Graphite Reactor (SGR) Materials M2 Mathematics (divider) | 1958 |
| | 93 | M2B Boolean Algebra | n.d. |
| | 94 | M2C1 Computer Programs | 1958 |
| | 95 | M2C3 Conversion Factors, Constants and Units | n.d. |
| | 96 | M2G General Math Information | 1964, 1967 |
| | 97 | M2P Probability Theory – Random Phenomenon | n.d. |
| | 98 | M2S Nuclear Reactor Simulator | 1970 |
| | 99 | M4 Military | 1960 |
| | 100 | M4N Nuclear Weapons | 1961, 1962, 1966 |
| | | M5B Miscellaneous (divider) | |
| | | Miscellaneous (divider) | |
| | | N Nuclear (divider) | |
| | 101 | NC1 Nuclear Coefficients | 1961 |
| | 102 | NC4 Nuclear Calculational Methods | 1961, 1962 |
| | 103 | ND Nuclear Data | 1959-1961 |
| | 104 | NF Nuclear Fusion – Cold Fusion Experiments (See T2 for Thermonuclear Fusion) | 1989 |
| | 105 | NK Kinetics – General | 1957, 1959, 1961, 1962 |
| | 106 | NK Kinetics and Excursions | 1956, 1958, 1959 |
| | 107 | NK Nuclear Reactor Kinetics References | 1985 |
| | 108 | NK Dynamics and Control Seminar | 1957, 1958 |
| | 109 | NS1 Nuclear Safety – Material for Talk on Safety of Nuclear Reactors | 1973, 1977-1980 |
| | 110 | NS1 Canada Deuterium Uranium (CANdu) Reactor Safety | 1973, 1978, 1979 |
| | 111 | Nuclear Reactor Emergency Systems | 1981 |
| | 112 | Nuclear Safety – General | 1980 |
| | 113 | NS1 Nuclear Stability | n.d. |
| | 114 | NT1 Nuclear Theory and Data | 1958-1961 |
| | 115 | NT1 Nuclear Theory – Nuclear Models and Forces | 1971, 1973 |
| | 116 | Nt2 Nuclear Transients (including Xenon (Xe) spatial oscillations) | 1958, 1959 |
| | | O2 Organizations, Business, and Industries (divider) | |
| | 117 | O2A3 AEC Organization – General | 1949-1952, 1956-1958, 1961, 1962 |
| Box 5 | 118 | O2 AFL – CIO | 1961 |
| | 119 | O2N Nuclear Industries (including those in Parkland Washington) | 1960, 1961, 1964 |
| | 120 | O2N Atomics International | 1959-1961, 1962, 1966 |
| | 121 | O2N Fluor Corporation Ltd. and Information on Marquardt's ASTRO | 1961 |

| | Division | |
|-------|---|-----------------------------|
| 122 | O2N General Electric Co. | 1965 |
| 123 | Holmes and Narver Inc. | 1948 |
| 124 | O2N Utilities in Nuclear Industry – Southwest Atomic Energy Association | 1962, 1963 |
| 125 | O2N Western Nuclear Corporation George Freund Correspondence concerning possible consulting | 1956, 1959, 1961, 1962 |
| 126 | P1 Physics – General | 1965 |
| 127 | P1P Physics – Particles Discovered P2 Power Plants (divider) | 1961, 1964 |
| 128 | P2A Aerospace Nuclear Power Programs in United States | 1961 |
| 129 | P2A Non-propulsive Power Requirements for Space Vehicles | 1960 |
| 130 | P2AR1 Ramjet Theory | 1958-1959 |
| 131 | P2AS2 Power Plants for Satellites – SNAP Program and Radioisotope Sources (also see file R2E1A for Reactors for Satellites) P3 Processes (divider) P4 Project Information (divider) | 1961, 1964 |
| 132 | P5 Publications and Speeches | 1964, 1987 |
| 133 | P5 Atomic Industrial Forum | 1960, 1961 |
| 134 | Nucleonics Space Issue | 1960, 1961 |
| 135 | P5 Publications – American Men of Science | 1961 |
| 136 | P5 Publications – Who's Who in Science P5 Publishers – General (divider) R1 Radiation (divider) | 1959, 1961 |
| 137 | R1B2 Biological Effects of Radiation | 1960, 1967, 1988 |
| 138 | R1E1 Material – Radiation Effects | 1961, 1997 |
| 139 | R1G Radiation – General | n.d. |
| 140 | R1H Radiation Hazards | 1961 |
| 141 | R1H Standards for Protection Against radiation – Title 10, Chap 1, Part 20, Code of Federal Regulations R2 Reactors (divider) | 1957, 1960 |
| 142 | R2E1A Satellite Power SNAP 7, 8 and 10 (see also P2A-S2) | 1960, 1961, 1965 |
| 143 | R2E1G Electric Power Production – General Power Reactors Talk by Milton Shaw included | 1059, 1966, |
| 144 | R2E1M Military Reactors – Army Nuclear Power Program | 1960-1962 |
| 145 | R2G Reactors – General (includes notes on Seawell's work on various nuclear reactors and design classes taught) | 1962 |
| 146 | Nuclear Reactor Design Class (University of California Las Angeles, 1957, 1960) | 1957, 1960, 1961 |
| 147 | R2M1F Reactors – Fissionable Material Production | 1959-1961, 1964, 1965, 1967 |
| 148 | R2M1F Hanford Reactors and Savannah River | n.d. |
| 149 | R2M2 Military Reactors (includes Naval, Applications and Ground) | 1960, 1961, 1965 |
| 150 | R2P1A1R1 Pluto Information Nuclear Ramjet | 1960, 1961, 1964 |
| 151 | R2P1A1R1 Tory Nuclear Ramjet Engine | 1961, 1964 |
| 152 | R2P1A1R2 Rocket Facilities (includes analysis by Seawell) | 1960-1964 |
| 153 | R2P1A1R2 Propulsion Reactors – Rockets (for space travel boosters) | 1962-1967, 1969 |
| 154 | R2P1A1R2 Nuclear Rocket Kinetics Stability and Control | 1960 |
| 155 | R2P1A1R2 Reactor in Flight Test RIFT | 1962, 1963 |
| 156 | R2P1U Submarine Propulsion Reactors | 1961, 1989 |
| 157 | R2P1W Navy Organic Reactors – (program cancelled) | 1958 |
| 158 | R2P1W NS Savannah (Family Tour of Ship) | 1962-1964 |
| 159 | R2P2 Vortex Flow and Gaseous Reactors | 1959, 1960 |
| 160 | R2R1T M Wright Air Development Center (WADC) Containment Safety | 1977 |
| Box 6 | 161 R2R2G Research Reactors Designed by Atomics International | 1954, 1955 |

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|-------|---|------------------------------|
| 162 | R2RK Kinetic Experiment on Water Boiler (KEWB) Program | 1957, 1958 |
| 163 | R2R2M Research Reactors – Medical University of California, Los Angeles (UCLA) Medical Research Reactor North American Aviation | n.d. |
| 164 | R2R2T Research Reactors – Training | 1963, 1967, 1997 |
| 165 | R2R2T Solution Type Research Reactors – Problems | 1952, 1958 |
| | S1 Shielding (divider) | |
| 166 | S1D1 Shielding Data | 1956, 1957 |
| 167 | S1G1 Shielding – General | 1959 |
| 168 | S2 Site | n.d. |
| 169 | S2D Site Distances and Criteria | 1956, 1961-1963, 1967 |
| | S3 Structural Design (divider) | |
| 170 | S3B Blast Protections | 1955, 1958 |
| 171 | S3R2 Reactor Containment | 1096, 1963, 1964 |
| 172 | S3R2 Structural Design Reactor Plants | 1958, 1960, 1965 |
| | T1 Thermal (divider) | |
| 173 | Thermal Analysis in Rocket Engine- Seawell's notes | 1963 |
| 174 | Thermal Data – Afterglow Heat | 1958, 1959, 1974 |
| 175 | Thermal Data – Fuels (Nuclear) | 1957, 1958 |
| 176 | Thermal Data – Liquid Sodium (Na) | 1955, 1957, 1958, 1959, 1962 |
| 177 | Thermal Data – Organics | 1958 |
| 178 | T1P1 Cycle Analyses and Liquid Metal Data for Space Power Plants | 1961 |
| 179 | Thermal Self Regulation (Seawell's Analyses) | 1962 |
| 180 | SRE Thermal Analyses | 1957 |
| | T2 Thermonuclear (divider) | |
| 181 | T2 Thermonuclear Fusion | 1959 |
| | T3 Training (divider) | |
| 182 | T3 AEC Fellowships | 1961 |
| 183 | T3 Oak Ridge School of Reactor Technology (ORSORT) | 1964, 1965 |
| | T4 Transportation (divider) | |
| 184 | Transportation of Non-Radioactive Hazardous Materials | 1978 |
| 185 | T4R Transport of Radioactive Materials (including Fuel Casks (see note re: OMRE casks) | 1958, 1966 |
| | Career Track | |
| 186 | Attended Seminars | 1986-1989 |
| 187 | College West | 1980 |
| 188 | Computer Account for Personal Use | 1971 |
| 189 | Conversion of Units | 1974, 1988 |
| 190 | Copyright | 1986, 1989 |
| Box 7 | 191 Energy Levels | 1960 |
| | 192 Greek Alphabet Symbol List | n.d. |
| | 193 Humour | n.d. |
| | 194 Iron Ring Ceremony – Rituals of the Calling of an Engineer | 1990 |
| | 195 Library – Donation (includes receipt given) | 1987, 1988 |
| | 196 Library – MURLIN use | 1989 |
| | 197 Luther College | 1972, 1973 |
| | 198 MacKenzie Art Gallery | n.d. |
| | 199 Maps – Saskatchewan and Regina and Regina Campus | 1979, 1982 |
| | Past Research and Planned Writing | |
| | Analyses of War Cycles, and War related Notes | |
| 200 | 1975 Graphs and Analyses | 1975 |
| 201 | Addition to Pulse of War in Spring and Summer 1976 (figures prepared June 1976 and Data and Citations | 1976 |

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|-----|--|-------------------------------|
| 202 | Analyses of Peaks | January, March 1975 [1976] |
| 203 | Analysis of High and Low Tendencies | March 1975 |
| 204 | Bibliography of Related Material to examine, related to Pulse of War | [May 31, 1977] |
| 205 | Civil War Patterns | July 1976 |
| 206 | Copies of Graph Originals used by Dave Weir to make figures | n.d. |
| 207 | Current Analyses to be finished for Monograph and /or book | May 1977 |
| 208 | Current Observations and Ideas for Computer [Runs] to check them | August 4, 1977 |
| 209 | Extrapolations past 1944 | March 1975 |
| 210 | Histogram of Peaks | January, February 1975 |
| 211 | Information on Peaks (not current) | February 1975 |
| 212 | Miscellaneous Calculations of Averages | March 1975 |
| 213 | Miscellaneous Notes re Cycle Analyses | January 1975 |
| 214 | Monograph – Preliminary version of Pulse of War to send to Xerox | 1977 |
| 215 | Pulse of War – Book planning | 1976, 1977 |
| 216 | Results from Latest Analyses | May, July 1977 |
| 217 | Slides for Lecture on war Cycles and re: newspaper front pages | n.d. |
| 218 | Department of National Defence, Canada | 1977, 1979 |
| 219 | Dr. Archer re: Pulse of War | June. August 1975 |
| 220 | John and Helen Kettle The Future Letter | 1985 |
| 221 | Master Xerox copy of St. Louis papers | 1979 |
| 222 | People given copies of St. Louis Pages Correspondence with Publishers and related notes and interested individuals re: War Cycles copy of two war-related papers mentioned in letters to Foundation for the Study of Cycles | 1979, 1982 |
| 223 | Abelard-Schuman Ltd. | 1976 |
| 224 | Articles Submitted to military Review (not published) | April 1978 |
| 225 | Foundation for the Study of Cycles | October, November 1980 |
| 226 | John Wiley and Sons | December 1975 |
| 227 | McClelland and Stewart (Canadian Publishers) | July 1973 |
| 228 | McGraw Hill Ryerson Ltd. | July 1973 |
| 229 | Praeger Publishers, Inc. | August, September 1975 |
| 230 | Prentice Hall Spectrum Series | June, July 1975 |
| 231 | Publication Possibilities for an article | 1978 |
| 232 | Publisher and List and Notes | July 1975 |
| 233 | Shoe String Press (The) | July-October 1976 |
| 234 | Social Sciences History Publications | 1976 |
| | Personnel | |
| 235 | Directories and Lists University of Regina | 1971-1975, 1988 |
| 236 | Information Re: University Faculty and Staff | 1975, 1976 |
| 237 | Student Directories | 1970, 1973 |
| 238 | Women in University of Regina Engineering Program | 1985 |
| 239 | Positives for St. Louis Articles | July 1979 |
| | Presentations | |
| 240 | American Nuclear Society (ANS) Presentation, text, notes, formulas, figures, and abstract Chicago | June 1960 |
| 241 | American Nuclear Society (ANS) P5 Speech and Correspondence Presentation, Chicago | June 1960 |
| 242 | American Society of Civil Engineers (ASCE) Meeting (paper) | March 1956 |

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| | presented <i>The Impact of the Atom on Civil Engineering</i>) Bullman, Washington | |
| 243 | American Society for Electrical Engineers (ASEE) Section Meeting Presentation in Klamath Falls | April 1982 |
| 244 | Article prepared but not published (nuclear field) Organic Moderated Reactor Experiment Fuel Casks 1957-1958 (Seawell was Responsible Engineer on design and manufacture of these fuel casks) | 1963 |
| 245 | Segment from Organic Moderated Reactor Experiment drawings used for making transparency masters | 1957 |
| 246 | Organic Moderated Reactor Experiment Fuel Cask Progress and information about Organic Moderated Reactor Experiment | 1957, 1958 |
| 247 | Photographs of Fuel Casks Photographs (includes 19 photographs) The photographs are of fuel casks for shipping irradiated fuel elements after they had been used to fuel power generation in the Organic Moderated Reactor Experiment, an experimental nuclear reactor built in 1957 in southwest Idaho. There is no used fuel in these photos – only mock-up fuel elements used to test electric heating effects in some of the photographs. | 1957, 1958 |
| 248 | Organic Moderated Reactor Experiment Budget and Estimates and Actual Costs | 1957, 1958 |
| 249 | Purolator Courier re: ACRS Application | 1990 |
| 250 | Research (includes Seawell's research) | 1984, 1986 |
| 251 | Salary Scale for Engineers and Computer Personnel | 1961, 1965, 1968, 1975, 1990 |
| 252 | Storage Units for Files (receipts) | 1997 |
| 253 | Television Interviews Oscar Seawell 1977 Notes for Television Interview; 1973 Article on Nuclear Safety at University of Regina; 1960s Nuclear Reactor Designs Class Outlines as Taught by UCLA Extension | 1973 |
| 254 | University of California, Irvine | 1979 |
| | Publications – Research Related | |
| Box 8 | 255 American Society for Engineering Education (ASEE) <i>Prism</i> | September 1991 |
| | 256 Canadian Association for Futures Studies <i>Futures Canada</i> Volume 1, No. 1, 1976 Volume 1, No. 2, 1976 Volume 1, No. 3, 1977 Volume 2, No. 1; 1977 | 1976, 1977 |
| | 257 Canadian Imperial Bank of Commerce, <i>Spectrum</i> Volume 2, Number 4, 1982 | 1982 |
| | 258 Canadian National Energy Program and other Energy Documents <i>Aeronautics and Astronautics</i> November 1977 (Coal reserves) page 30 and 36 | 1977 |
| | 259 Energy Documents – Canadian National Energy Program and Others (see also / related to Engineering 451 Energy Systems Class) | 1980-1982 |
| | 260 Fusion (publications: <i>Mechanical Engineering</i> from July 1982, <i>Nuclear News</i> July 1980 and June 1981 | 1980-1982 |
| | 261 <i>Land Use in Saskatchewan</i> and Other Land Use Documentation (re: Energy) | 1980, 1982 |
| | 262 Peat, Marwick, Mitchell and Co. <i>Management Controls</i> Radiation | March, April 1977 |
| | 263 Biological Effects of Radiation | 1976 |

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| | 264 | Food Irradiation | n.d. |
| | 265 | Nuclear Material (includes thermac and radiation effects) | 1959, 1966 |
| | 266 | Radiation and Our Environment | 1969, 1980, 1989 |
| | 267 | Radiation Protection – Engineering 601 project by Derek Shiu | 1984 |
| | 268 | <i>Renewable Energy News; En-Form</i> (series incomplete 1980s – 1990s) (Oversize) | 1980s-1990s |
| | | Publications – University Related | |
| | | University of Saskatchewan, Regina Campus | |
| | | Convocation | |
| | 269 | Spring - May 25, 1973 | 1973 |
| | | University of Regina | |
| | 270 | Brochure – n.d. | n.d. |
| | | Convocation | |
| | 271 | Spring – May 23, 1975 | 1975 |
| | 272 | Spring – May 22, 1981 | 1981 |
| | 273 | Spring – May 27, 1983 | 1883 |
| | 274 | Spring – May 25, 1984; Fall – October 20, 1984 | 1984 |
| | 275 | Spring – May 24, 1985 Fall – October 19, 1985 | 1985 |
| | 276 | Fall – November 1, 1986 | 1986 |
| | 277 | Spring, May 22, 1987 | 1987 |
| | 278 | Spring – May 26, 1989 Fall – October 28, 1989 | 1989 |
| | 279 | Faculty of Engineering Brochure (features Oscar Seawell - see page 4) | n.d. |
| Box 9 | 280 | Grad Book - Engineering Students Society – 1986 | 1986 |
| CLOSED | 281 | Grade Books Classes Thesis - Faculty of Engineering | |
| | 282 | <i>A Comparison of Particulate Removal Systems for the Shand Thermal Station</i> , A.D. Carson | 1987 |
| | 283 | <i>Design and Evaluation of Cellular Manufacturing Systems (CMS)</i> , K.A. Richardson | 1989 |
| | 284 | <i>A Model for the Economic Comparison of Plant Location Sites</i> , J. E. Matlock | 1972 |
| | 285 | <i>A Model of Historical Interrelationships Among War, Science, Economics, Technology and Culture</i> , R.W. Tunison | 1977 |
| | 286 | <i>A Pentane Extraction Feasibility Study for Petro-Canada's Empress Gas Plant</i> , M.A. Hugel | 1986 |
| | 287 | <i>Performance Study of Cooling Water System at Petro-Canada's Empress Gas Plant</i> , P.J. Kuprowski | 1987 |
| Box 10 | 288 | <i>A Simulated Consolidation of the Grain Handling and Transportation System in the Kerrobert Region of Saskatchewan</i> , C.L. Kirkland | 1974 |
| CLOSED | 289 | Recommendation letter | 1993 |
| | | Research Material with an Emphasis on Energy (include food, populations, and music content of interest) | |
| | 290 | Accident Data – Canada | 1979, 1980 |
| | 291 | Accidents – Nuclear and Non-Nuclear Accident Effects, Contamination, Arguments | 1981 |
| | 292 | Acid Rain | 1980, 1982 1983 |
| | 293 | Asia – Uranium and Other Mineral Reserves in Tibet | 1982 |
| | 294 | Canada and Saskatchewan – Energy Resources | 1972, 1978 |
| | 295 | Canada Deuterium Uranium (CANdu) 300 Reactors | 1984 |

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|--------|-----|---|---------------------------|
| | 296 | Chemical Pollution (including lead, acid rain and laws) | n.d. |
| | 297 | China – Industry, Pollution and Coal Usage | 1982 |
| | 298 | Coal resources and Uses | 1982, 1988 |
| | 299 | Conversion of Units | 1973 |
| | 300 | Dimensions of Energy, (Seawell's plans for book, not implemented) | 1982 |
| | 301 | Earth History | n.d. |
| | 302 | Energy Conference Notes – for reference when preparing book (Geothermal Well at University of Regina included in notes) | August 1982 |
| | 303 | Energy Resources – General | 1981 |
| | 304 | Energy Sources – Wind and Geothermal | n.d. |
| | 305 | Farm Equipment – 5 Holt Sidehill Combines on George Drumheller Ranch | 1905 |
| | 306 | Food – Limits of Growth Competition Submission for possible Mitchell Prize | 1974, 1975 |
| | 307 | Geology – Geoscience Canada re: Canadian Geology (and possible article publisher (include Canadian application)) | 1981 |
| | 308 | Geology re: Petroleum and Classification of Carbonate Rods | 1958, 1961, 1962, 1971 |
| | 309 | Geothermal Project at University of Regina | 1982, 1983 |
| | 310 | Home Energy Use | 1982 |
| | 311 | Home Heating Systems and Costs | 1982 |
| | 312 | Mexico – Maps and Information on Country (includes tectonics) | n.d. |
| | 313 | Nuclear Power Debate and Comparison of Fatalities from Other Causes (see page 9 of <i>Science Forum</i>) | 1976 |
| | 314 | Nuclear Fusion | 1982 |
| | 315 | Nuclear Fusion – Cold Fusion | 1989, 1990 |
| | 316 | Nuclear History – History of Nuclear Development | 1989 |
| | 317 | Nuclear Power Reactors – Canada Deuterium Uranium (CANdu) in Canada and Abroad | 1985 |
| | 318 | Nuclear Radiation Release – Hanford | 1990 |
| | 319 | Nuclear Reactor – Hanford N Reactor | 1989 |
| | 320 | Nuclear Reactor – Safety Goals | 1982 |
| | 321 | Nuclear Waste | 1982 |
| | 322 | Buried Waste Criticality Page 81 Nuclear News | 1975 |
| | 323 | Canadian Nuclear Fuel Waste Documents and Publications | 1978, 1979 |
| | 324 | Oil Platforms – The 'Ocean Ranger' which sank | 1983-1985 |
| | 325 | Oil Refinery (what is) | 1989 |
| | 326 | Oil and Gas Resources and Investment in Canada | 1983 |
| | 327 | Population | 1974-1976 |
| Box 11 | 328 | Population and Food Research Material Nuclear Energy Files (From Uses at University of Regina and Miscellaneous) | 1955 |
| | 329 | The American Society of Mechanical Engineers (ASME) Publications on Nuclear Reactor Safety, Design, and Analysis | 1972, 1973, 1975 |
| | 330 | Canada Deuterium Uranium (CANdu) Reactors Brochures Atomic Energy of Canada Limited (AECL) Paper and Globe and Mail articles | 1976 |
| | 331 | <i>Canadian Reactor Fuels</i> (includes data) | 1976 |
| | 332 | Comparative Risks of Different Methods of Energy Generation and of Other Events | 1976, 1977 |
| | 333 | Hanford N Reactors and Hanford Area Map | 1975 |
| | 334 | Hanford Information, Map, Geology, Science Centre, Basalt Waste Isolation Project, (radioactive waste management – from visit to Hanford Works during sabbatical leave) | n.d. |
| | 335 | Heavy Water (including thermodynamic tables) | 1973 |

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| | 336 | History of Canada Deuterium Uranium (CANdu) Reactor and of Nuclear Research in Canada | 1976 |
| | 337 | Neutrons at Work – Various Uses | August 1963 |
| | 338 | Nuclear Fuel Cycles | 1979, 1981 |
| | 339 | Nuclear Power Reactor Types | 1989 |
| | 340 | Nuclear Reactors Reference Material and Seawell's Notes in Preparation for a Television Interview on Nuclear Energy | 1977 |
| | 341 | Basic Kinetic Derivations and Data by Oscar Seawell | 1962, 1963 |
| | 342 | Delayed Neutron Data (not applicable to Canada Deuterium Uranium (CANdu)) | 1961 |
| | 343 | Kinetics - Nuclear Reactors | n.d. |
| | 344 | Nuclear Power Basic Information | 1979, 1982 |
| | 345 | Physics of Nuclear Reactor and Data Atomic Energy of Canada Limited (AECL) 5229 (emphasis on Canada Deuterium Uranium (CANdu) Reactors) | 1975, 1977 |
| | 346 | Safety in Engineering (includes nuclear safety) | 1987 |
| | 347 | Safety in Mining and Health | 1978 |
| | 348 | UO ₂ (Uranium Oxide) Fuel Info | 1962, 1964 |
| | | Teaching Material | |
| | | Computer Science 374 | |
| CLOSED | 349 | Ron Tonogai Term Project The Canada Deuterium Uranium (CANdu) / PHW Nuclear Reactor Simulation (Oversize) | April 1984 |
| | | Energy Reference Material | |
| | 350 | Co Generational | 1984 |
| | 351 | Coal | December 1979 |
| | 352 | Earth's Energy and Mineral Resources | 1978, 1980 |
| | 353 | Electric Power in Canada | 1979 |
| | 354 | Energy Brochures (for use in Engineering 451 Energy Systems) 1/5 | 1979-1982 |
| Box 12 | 355 | Energy Brochures (for use in Engineering 451 Energy Systems) 2/5 | 1981 |
| | 356 | Energy Brochures (for use in Engineering 451 Energy Systems) 3/5 | 1980-1982 |
| | 357 | Energy Brochures (for use in Engineering 451 Energy Systems) 4/5 | 1976, 1980, 1982 |
| | 358 | Energy Brochures (for use in Engineering 451 Energy Systems) 5/5 | 1978 |
| | 359 | Energy General | 1978, 1981, 1985 |
| | 360 | Energy Conserving Living (Workshop - Energex '82) | August 1982 |
| Box 13 | 361 | Energy Electricity Production and Distribution – Broad Coverage | 1982 |
| | 362 | Energy in Saskatchewan | 1977, 1979-1981 |
| | 363 | Energy Projections | 1979, 1981 |
| | 364 | Environment | [1987] |
| | 365 | Environment - Acid Rain | 1980 |
| | 366 | Environment - Impacts - General | 1972 |
| | 367 | Environment Water and Pollution | n.d. |
| | 368 | Facts Sheets about Energy | 1979 |
| | 369 | Geothermal | 1981 |
| | 370 | Hydro Electric Power and River Systems | 1973, 1975, 1976 |
| | 371 | LH ₂ (Liquid Hydrogen) | 1972-1974, 1983 |
| | 372 | Natural Gas | n.d. |
| | 373 | Oil | 1977 |
| | 374 | Oil Fired Generator Generation | 1983 |
| Box 14 | 375 | Reducing Military Energy Vulnerabilities | 1980 |
| | 376 | Renewable Energy | 1975, 1977, 1984 |

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|--------|-----|---|---------------------------|
| | 377 | Technology and Humanity | 1975 |
| | | Engineering 100 | |
| | 378 | Digital Computer Use in an Engineering Computation Class (Summary for Spring 1980 Talk to American Society for Electrical Engineers (ASEE) North West (NW) Section Meeting | 1980 |
| | 379 | Seawell's Copies of Engineering 100 Analysis Report | January 15, 1994 |
| | | Engineering 200, 201, 330 and 351 | |
| | 380 | Administrative Note from Seawell Re: Nuclear Reactor System Simulations primarily Canada Deuterium Uranium (CANdu) simulation from Engineering 200, 201, 330 and 351, Computer Science 375 etc | n.d. |
| | | Engineering 200 | |
| | 381 | Engineering 200 Nuclear Reactor Simulation Assignment Sheets and Data from a Sodium Graphite Moderated Reactor (Winter 1976) | 1976 |
| | 382 | Engineering 200 Nuclear Reactor Simulation CANdu 600 Reactor Student Reports and Results (Fall 1977) | 1977 |
| | | Engineering 201 | |
| | 383 | [Engineering 201] (punch cards) Program for Initializing Canada Deuterium Uranium (CANdu) 600 Primary Coolant Data | 1970 |
| | | Engineering 201 (Engineering Computations and Designs) (Fall 1979) | 1979 |
| | 384 | 1 st Digital Assignment – Programming (Fall 1979) | 1979 |
| | 385 | 2 nd Digital Program Assignment – Programming and Derivations and Calculations (Fall 1979) | 1979 |
| CLOSED | 386 | 3 rd Assignment – Submissions by Student (Kim Worff) (Oversize) (Fall 1979) | 1979 |
| | 387 | Canada Deuterium Uranium (CANdu) 600 Primary Coolant Loop Transient Simulations (Fall 1979) | 1978 |
| | 388 | Completed Simulations #1 and #2 Copies – Students Submissions Copied (Fall 1979) | 1979 |
| | 389 | Set of Digital Programming Assignment Handouts (includes D ₂ O (Heavy Water) Enthalpy Table) (Winter 1980) | 1980 |
| | 390 | Simulation Assignments and Notes for Reference (Winter 1979) | 1979 |
| | | Engineering 330 (Simulation and Modelling Class) (Winter 1979) | |
| | 391 | 1 st Nuclear Reactor Simulation Assignment (Winter 1984) | 1984 |
| | 392 | 2 nd Nuclear Reactor Simulation Assignment (Winter 1984) | 1984 |
| | 393 | 3 rd Nuclear Reactor Simulation Assignment (Winter 1984) | 1984 |
| | 394 | 4 th Nuclear Reactor Simulation Assignment (Winter 1984) | 1984 |
| | 395 | 5 th Nuclear Reactor Simulation Assignment (Winter 1984) | 1984 |
| | 396 | Copies of Student Nuclear Reactor Simulation #5 Simulation and Modelling Class (Winter 1984) | 1984 |
| | 397 | CANdu Steam Generation Data (used for EN 330 5 th Nuclear Reactor Simulation) | 1981 |
| | 398 | Instructions re: Computer Accounts and Assignments (Winter 1984) | 1984 |
| | 399 | Lab Lectures re: Fortran Usage (Winter 1984) Lars Nielsen (Seawell's Grader in Engineering 330 Winter 1983) | 1984 |
| | 400 | Administration Note from Seawell Re: Lars Nielsen Information and Suggestions | 1983 |
| | 401 | Programming Languages – Information from Lars Nielsen | 1969, 1975, 1979, 1983 |
| | 402 | Lecture for March 1984 Reviewing and Summarizing Pipe Transport Assignment | 1984 |
| | 403 | Lectures by Jim Mozel (Winter 1984) | 1984 |
| | 404 | Numerical Stability Lecture (Winter 1984) | 1984 |

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| | 405 | Optional 6 th Nuclear Reactor Simulation Assignment – Nuclear Reactor Kinetics and Fuel Temperature Calculations | 1984 |
| | 406 | Sigma 9 Usage Information from Barry Ford (given to students in EN 330) | 1984 |
| Box 15 | 407 | Steam Generator in Canada Deuterium Uranium (CANdu) Reactor System | 1978, 1984 |
| | 408 | Steam Generator Handout EN 330 Winter 1983 and Winter 1984 | 1978, 1984 |
| | 409 | Administrative Note from Seawell Re: CANdu Nuclear Reactor EN 330 | n.d. |
| | 410 | Assignment Planning (Winter 1984) | 1984 |
| | 411 | Canada Deuterium Uranium (CANdu) Reactor Simulation) (Winter 1983) | 1982 |
| | 412 | Class List / Lab Groups (Winter 1984) | 1984 |
| | 413 | Computer Consulting | 1984 |
| | 414 | Data for Nuclear Reactor Simulation (Winter 1983) | 1983 |
| | 415 | Data for Nuclear Reactor Simulation (EN 330 Winter 1984) (EN 351 Fall 1989) | 1978, 1989 |
| | 416 | EN 330 Canada Deuterium Uranium (CANdu) Simulation Runs by Jim Mozel (Faculty) and Lars Nielsen (Grader) and Copies of Instructions by Oscar Seawell (Oversize) | 1983 |
| | 417 | Exam (March 1984) | 1984 |
| | 418 | Exam Master (Mid-Term Exam) (Winter 1984) | 1984 |
| | 419 | Exam for Preparing Solution (summary notes to be written) (Winter 1984) | 1984 |
| | 420 | Flag Notes, Canada Deuterium Uranium (CANdu) Assignment and Solution (Barry Ford)(Winter 1979) | 1979 |
| CLOSED | 421 | Grades (Winter 1984) | 1984 |
| | 422 | Lecture | March 14, 1983 |
| | 423 | Lecture on Canada Deuterium Uranium (CANdu) Simulation and Simulation Writeups #1, #2, #3 (Winter 1983) | 1983 |
| | 424 | Nuclear Reactor Simulation – lectures completed (also used in EN 351 Fall 1989) | 1983, 1984, 1989 |
| | 425 | Nuclear Reactor Simulation #1 (Winter 1983) | 1983 |
| | 426 | Nuclear Reactor Simulation #2 (Winter 1983) | 1983 |
| | 427 | Nuclear Reactor Simulation #3 (Winter 1983) | 1983 |
| | 428 | Nuclear Reactor Simulation Master Copies (Winter 1983) | 1983 |
| | 429 | Planning for Human Simulation of Canada Deuterium Uranium (CANdu) Reactor – Not Done | 1983 |
| | 430 | Schedules and Planning (Winter 1983) | 1983 |
| | 431 | Startup Accident Data and Presentation | 1984 |
| | 432 | Student Assignments #1 (completed nuclear reactor simulations) (Winter 1984) | 1984 |
| | 433 | Student Paper (Rocky Jervis) from Lab #1 Assignment by Jim Mozel) (Winter 1984) | 1984 |
| | 434 | Student Results Nuclear Reactor Simulations (Winter 1983) Engineering 330 Simulations and Modelling | 1983 |
| | 435 | Administrative Note from Seawell Re: 330 Simulations and Modelling | 1983 |
| | 436 | Canada Deuterium Uranium (CANdu) 600 Station Design | 1976 |
| | 437 | Canada Deuterium Uranium (CANdu) Phase #1 Assignment 1 Steady State Temperatures | 1983 |
| | 438 | Canada Deuterium Uranium (CANdu) Simulations (Summer 1983 and Winter 1983) (Oversize) | 1983 |
| | 439 | Canada Deuterium Uranium (CANdu) Analysis and Discussions (toward use in Winter 1984 and in books) | 1983 |
| | 440 | Canada Deuterium Uranium (CANdu) Digital Simulation | 1983 |

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| | Chapter 2 – Steady State Systems Approximization (initialization) for different power levels) | |
| 441 | Canada Deuterium Uranium (CANdu) Digital Simulations Summary Information and Schedule | 1983 |
| 442 | Canada Deuterium Uranium (CANdu) Information to Obtain from AECL | 1983 |
| 443 | Canada Deuterium Uranium (CANdu) Nuclear Reactor Kinetics for Simulations 1965 | 1961, 1965, 1983 |
| 444 | Canada Deuterium Uranium (CANdu) Steam Generator | 1983 |
| 445 | Canada Deuterium Uranium (CANdu) Thermal Analyses - Reactor | June 1983 |
| 446 | Data on H ₂ O (water) and D ₂ O (Heavy Water) | 1973, 1983 |
| 447 | EN 330 Canada Deuterium Uranium (CANdu) Simulation Planning for Winter 1984 – Kent Fletcher | 1983 |
| 448 | Kent Fletcher Assignment to Prepare Canada Deuterium Uranium (CANdu) Simulations | 1983 |
| 449 | Nuclear Reactor Simulation Assignments Phases as Written by Kent Fletcher Summer 1983 | 1983 |
| | Engineering 351 (Heat, Mass and Momentum Transfer) | |
| 450 | Canada Deuterium Uranium (CANdu) Simulation and Copies of Handouts (Fall 1989) | 1989 |
| 451 | Canada Deuterium Uranium (CANdu) and World Nuclear Power Plant and Steam Generation Handouts (Fall 1989) | 1978, 1989 |
| 452 | Canada Deuterium Uranium (CANdu) Part E and Steam Generator Drawings | 1982 |
| 453 | Canada Deuterium Uranium (CANdu) Simulation Time Constant Estimation and T _F Feedback for October 17 Lectures (when computer programs are returned) and November 14 Lecture (Fall 1989) | 1989 |
| 454 | Canada Deuterium Uranium (CANdu) Simulations Part E Analysis and Results (Fall 1989) | 1989 |
| 455 | Canada Deuterium Uranium (CANdu) Steam Generation Thermal Calculations from which Seawell established Thermal Resistance between D ₂ O and H ₂ O for each of the 5 segments (Fall 1989) | 1989 |
| 456 | Nuclear Reactor Simulation Assignments – Masters (Fall 1989) | 1978, 1989 |
| 457 | Numerical Stability Notes for heat Transfer and fluid Flow from April 1973 and December 1989 | 1973, 1989 |
| 458 | Past lectures on Canada Deuterium Uranium (CANdu) Simulation | 1989 |
| 459 | Industrial Engineering – Typical Sequence of Classes in Subject Area | n.d. |
| 460 | University of Regina Archives – Seawell's note regarding this material | March 22, 2004 |