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OSCAR SEAWELL

BY ELIZABETH SEITZ  
NOVEMBER 2013

**Biographical Sketch:** Oscar D. Seawell was born in the United States of America. In 1947 he received a Bachelor of Arts (Hons.) in mathematics and physics from Whitman College in Walla Walla, Washington.

In 1943-44, while pursuing undergraduate studies at the University of Utah, Salt Lake City, Oscar participated in a specialized training program for the United States Army in advanced civil engineering. Seawell's post-graduate work was undertaken while he was enrolled at the Massachusetts Institute of Technology in Cambridge where, in 1948, he graduated with a Master of Science degree in Civil Engineering.

Seawell took jobs in various streams of engineering - construction for two years, nuclear engineering for eleven years and for five years he worked in systems engineering, during this time he remained in association with the U.S. Army Reserve, Corps of Engineers from 1949 to 1983 rising to the rank of Lieutenant Colonel.

His career as an educator began at the University of Idaho where he taught engineering from 1952 to 1956. From 1956 to 1957, and again from 1961 to 1962, he taught an engineering extension course in nuclear reactor design at the University of California, Los Angeles. After this he taught at San Jose State College in 1964-1965.

In 1971 Oscar Seawell moved to Canada to accept an appointment as a professor of mechanical engineering at the University of Saskatchewan, Regina Campus, which in 1974, became the University of Regina, where he was involved in the University's planning of the new Industrial Systems Engineering Program. As professor of Mechanical Engineering he initiated, coordinated and taught in the new Mechanical Engineering program, when this was discontinued Seawell taught basic and graduate engineering classes. As Professor of Systems Engineering he proposed, planned, coordinated and taught in the new Industrial Systems Engineering program.

Seawell was Vice-chairman for the Faculty Association Executive Committee in 1975-76 and Chairman in 1976-77. He was the Chair for the Engineering Curriculum and Program Committee from 1972 to 1980, the University President's Budget Advisory Committee Chairman in 1979-80 and the Faculty Association Pension and Benefits Committee Chairman in 1988-89. Oscar Seawell retired as Professor Emeritus in 1989 and continues to reside in Regina.

**Scope and Content:** There are no access restrictions on the material in this collection. The files relate to the writing of Seawell's book *The Pulse of International War* published in 2012. Corrections to the text are shown in the authors handwriting on page 45 regarding the bubonic plague (Black Death) that reached Europe in 1347 rather than 1847; on page 188 of the publication the correction in *Table 16.6 Indexes for 1944 and 1946-2000* (at the bottom of the page) refers to the total for SIIB (Seawell's Index of International Battles) rather than IWI (International War Index), calculated as  $1000 \times \text{SIIB/Pop}$ .

**Custodial History:** The collection was given to Archives and Special Collections by Professor Oscar Seawell in August 2013.

**Legal Agreement:** The donation agreement is pending.

**Future Accruals:** Future accruals are expected.

**Access Restrictions:** The records in this collection are open to researchers.

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

		Writing by Oscar Seawell	
		<i>The Pulse of International War</i>	
		Travel Records 1972 - 1989	
Box 1	1	3 <sup>rd</sup> International Conference on Math Modelling	July 1981
	2	American Nuclear Society Thermal Reactor Safety Meeting and Research	February 1986
	3	American Society for Engineering Educators – Fall Planning Meeting	October 1987
	4	American Society for Engineering Educators – Governing Board Meetings and Fall Planning	October 1988
	5	American Society for Engineering Educators / Pacific North West Section – Fall Planning Meeting	October 1985
	6	American Society for Engineering Educators / Pacific North West Section Planning Meeting	October 1986
	7	American Society for Engineering Educators / Pacific North West Section Trips	1972 – 1974, 1976, 1977, 1981, 1982, 1985, 1988, 1989
	8	American Society for Engineering Educators Campus Activity Coordinators Meetings	1976
	9	Canadian Operational Research Society Meeting	1978
	10	Conference on Computers in Undergrad Curricula	May 1974
	11	Faculty Business Expenses	1971, 1972, 1974, 1977, 1982
	12	Field Trips and Projects with Students	1979 – 1983, 1986
	13	International Symposium on Forecasting	1981
	14	Requisitions (without correspondence or other information)	1973, 1974, 1976, 1977, 1979, 1980, 1982, 1983
	15	Sabbatical Leave Report	January – June 1981
	16	Scripps Institution of Oceanography	October, November 1985
	17	Use of Personal Car to Transport Candidates	1983, 1984
	18	Visit Engineering Co-op Students and Employers	1971, 1974, 1976, 1977, 1980 – 1983
		Writing by Oscar Seawell	
		<i>The Pulse of International War</i>	
	19	Benchmark Press Final Draft	June 2012
	20	Contract with Publisher (Benchmark)	2011, 2012
		Headnotes	
	21	Chapter Summary Drafts	October, November 2007
	22	Computer Storage Notes re: Manuscript	March, April 2008
	23	Drafts for Appendices A, B, C	November 2009
	24	Editing Notes for Action From 2000 to 2002	April 2000, February 2002
	25	Editing Notes and Future Plans (notes to look at for <i>Pulse</i> when acting on manuscript after May 2009)	April, May 2009
	26	Editing Notes for Future re: Book and Cover Page	October 2008
	27	Manuscript Revision after leaving it with Brian Mlazgar / Canadian Plains Research Centre	May 2, 2008
		Draft Copy 1	
	28	Outline	2008, 2009
	29	Preface	2006 – 2009

	30	Acknowledgments	2008, 2009
	31	Overview	2007, 2008
	32	Chapter 1 – Wheeler and His Index	2007 – 2009
	33	Chapter 2 – A Comparative Index from Clodfelter's Record of 16 <sup>th</sup> and 17 <sup>th</sup> Centuries	2006 – 2008
	34	Chapter 3 – Century-Long Cycle Concept	2006, 2007, 2009
	35	Chapter 4 – World Population	2005, 2007, 2008
	36	Chapter 5 – International War Index	2006 – 2008
	37	Chapter 6 – Five Year Moving Averages and Peaks Copy 1	2006 – 2007
	38	Chapter 7 – Dewey and His International War Cycles	2006 – 2007
	39	Chapter 8 – Long Cycle Analysis	2006 – 2007
	40	Chapter 9 – Warfare Level Patterns within Four Long Cycles	2007, 2009
	41	Chapter 10 – Linking and Modifying Dewey's Long Cycles	2007
	42	Chapter 11 – Dewey's 22 Year Cycle Interrelated with Long Cycles	2006, 2007, 2008, 2012
	43	Chapter 12 – Combining Dewey's 22 Year Cycle and Modified Dewey's Long Cycle	2006, 2007
	44	Chapter 13 – Modified 22 Year Cycle	2006 – 2007
Box 2	45	Chapter 14 – Heart and Lung Model	2007
	46	Chapter 15 – World War II Year 1944 Using Clodfelter's Historical Record	2008, 2009
	47	Chapter 16 – Conflicts after World War II in the 20 <sup>th</sup> Century	2007 – 2009
	48	Chapter 17 – Projecting into 21 <sup>st</sup> Century	2007, 2008
	49	Chapter 18 – Why the Pulse of International War	2006 – 2009
	50	Appendix A – Wheeler's Research and Concepts	2007, 2008
	51	Appendix B – Battle Indexes and Population	2008
	52	Appendix C – World Population	2005, 2007, 2008
	53	Appendix D – Four-Cycle Averages – International War Index	November 2007
	54	Appendix E and Table E.1	2006, 2008, 2009
		Draft Changes	
	55	Chapters 1 through 9 – Mitch Larson's Draft	June 14, 2012
	56	Chapters 10 through 18 – Mitch Larson's Draft	n.d.
	57	Chapter 3 – Century Long Cycle Concept	2006, 2007, 2009
	58	Chapter 16 – Copy 2 Corrections	2007 – 2009
	59	Corrections and Revisions in Last Draft Print	n.d.
	60	Figures to be Revised (for Mitch Larson)	July – November 2007
	61	Items Changed but Held	n.d.
	62	Pages given Mitch Larson	February 9, March 29, 2012
	63	Requested Changes and Notes	May 2012
	64	Revisions of Line Styles and Sizes on Figures 9.2, 9.4 (Seawell's Copy)	July 7, 2012
		Planning of Proposal to McFarland	
	65	McFarland – Potential Publisher	2004
	66	Submitting Manuscript	April 2008
	67	Submission for Publication	2004, 2005
		Publisher Submission after McFarland	
	68	Canadian Plains Research Centre, University of Regina	September 30, 2008
	69	Praeger Security National Proposal	May 2011

	70	Service Publications Information	2008, 2009
	71	University of Alberta Press	2009
	72	University of British Columbia Press	2009
	73	University of Toronto Press	September 28, 2011
	74	Vanwell Publishing Company	June 28, 2010
		Clodfelter, Micheal Correspondence	
	75	Chapter 2 and Appendix E	March 2005
	76	Chapter 14 and Letters Relevant (changed to Chapter 15)	2003, 2004
		Publisher and Author Contacts	
	77	Massachusetts Institute of Technology (MIT) Press	June – July 2002
	78	Planned letter to W.W. Norton and Company (not sent)	n.d.
	79	Prentice Hall – Tom Robbins (no response)	February 16, 2002, March 17, 2003
		Miscellaneous Publishing Information and Publishing Process	
Box 3	80	Publisher Address and Phone Numbers (other than re: poems) Foundation for the Study of Cycles; Hawthorn Publishers	2002, February 2008
	81	Publishing Process from University of Regina Alumni Magazine	Spring 2002
		Permission Request – Foundation for the Study of Cycles	
	82	Draft Extracts re: Wheeler and Dewey	May – June 2004
	83	Regarding Dewey and Mandino Quotes and Quotes from Cycle	2004, 2007
		Permission Requests – Other than from the Foundation for the Study of Cycles	
	84	Anchor Books – Chris Hedges quotes; Random House Information	January 2004
	85	Barbara Tuchman Permission Request (no response)	February 8, 2004
	86	Letters re: Chris Cook to Publisher: Facts on File Requesting Permission to Use Data (permission not given)	March 24, 1999
	87	Permission Information from Norton	January 31, 2005
	88	Permission from Lawrence (Kansas) Journal World	2008
	89	Permission to Use Clodfelter Material	April 20, 2005
	90	Permission Obtained from Micheal Clodfelter; Journal World and W.W. Norton	1999, 2004, 2005
	91	Quotation – Potentially Involving Permission to Quote Information for Discussion about War; and Comparison to Police Activity and Miscellaneous	February 2004
	92	Future Wars and Weapons in <i>Time</i> Canadian Edition, May 22, 2000, Vol. 155, No. 21.	May 22, 2000
	93	Information Warfare and International Security from <i>The Officer</i>	September 1999
	94	Masculine-feminism Interaction; The Masculine Mystique	July 18, 2000
	95	Material for Use in Preparing Articles for Cycles (draft acknowledgement)	n.d.
	96	Notes from Tillema, International Conflict Since 1945	n.d.
	97	Notes re: Items for Text – Pulse of War – Modelling as Organism	November 20, 1998
	98	Peace, Conflict and Violence; Peace Psychology in	May 2001

	21 <sup>st</sup> Century	
99	Regina Police Data	March 18, 1998
100	War – Alfred Nobel and Miscellaneous in <i>Awake</i>	May 8, 2002
101	War – Leader Post (back reviews and articles)	2001, 2002
102	War on Terror and Mis-use of that label, <i>The Officer</i>	October 2004
	Correspondence and Notes with Publishers re: Poems Primarily	
103	Seawell's letters as Mailed	October 27, 1999
	Poems to Potentially Use	
104	Crane, Steven – Poems in the Public Domain	1999, 2000
105	Holmes, Oliver Wendell	n.d.
106	List	2002, 2004
107	Lovelace, Richard – Poems in the Public Domain	n.d.
108	Marshall, Helen Louise Hallmark re: Poems	n.d.
109	McCrae, John – Poems in the Public Domain (includes information on him)	September 2005
110	Planned Use of Poems (earlier notes)	October, December 1999
111	Poems Copied	March 30, 2003
112	Poems of War Resistance, Book; Poems by Longfellow, Chief Joseph and Others	n.d.
113	Scott, Walter – Poems in the Public Domain	1999, 2001
114	Sieger, Alan	n.d.
115	Sill, Edward Rowland	n.d.
116	Southey's Collected Works	2004
117	Wolfe, Charles	n.d.
	Information about Poets used in Book	
118	Campbell	October 5, 2006
119	Crane	October 13, 2006
120	Crane Poems (not used in book)	1922, 1957
121	Harte, Bret	2003
122	Scott, Sir Walter	n.d.
123	Sill Poems in the Public Domain	n.d.
124	Southey – Bards Song to go with First Chapter	n.d.
125	Taylor, Bayard	November 12, 2007
	Poems Not Used in Book	
126	Hardy, Thomas and Siegfried Sassoon	n.d.
127	Spender, Steven	n.d.
	Reference History, Information and War Books	
128	Battle Counts of Wheeler and Harbottle	July – August 1, 2000
129	Battles from Harbottle and Wright	June 29, 2000
130	History from World Book Millennium for Text Reference (Chapter 15 – Reflections)	December 6, 2001
131	Korean War Reference	2002
132	Korean War Reference – Max Hastings (Chapter 14)	February 17, 2003
133	Library Reference re: War	1977, 1979
134	<i>Look to your Front</i> – Regina Rifles	2001
Box 4 135	Seawell's notes printed from World Book Millennium and Comptons International Encyclopedia; Notes from Encyclopedia Britannica (reference: Chapter 5)	December 2001 – January 3, 2002
	Primary Reference Documents	
136	Chapters on Wheeler and Dewey	November 1999 - August 2000

137	Dewey's Cycles and Seawell's Analysis (used for plotting idealized cycles)	June 20, 1999
138	June 1970 Cycles Issue and Article from March '70 and Other References	1975 - 2000
139	Miscellaneous Articles from Cycles	1970, 1978
140	Notes about Dewey's Cycles for Potential Use in Chapter About Him	June 11, 2000
141	Period Sums and Averages	1975, 1979
142	Richardson, Louis— Statistics of Deadly Quarrels	n.d.
143	Rubaiyut of Oman Khayyam (Quatrain used at start of Preface, page xix)	n.d.
144	Taleb, Nassim – The Black Swan (reference: Chapter 18)	n.d.
145	Toynbee, Arnold— a Study of History	April 4, 2009
146	Wheeler's and Dewey's Articles from Cycles before 1970	January, February 1951
	Reference, Miscellaneous	
147	Articles for Review re: Analyzing War Cycles	May 11, 2000
148	Military Reference Information and Publishers	October, November 1998
149	Notes re: War for Beginning and Ending Chapters	1999
150	Reference Articles	April 11, 2000
151	Reference Notes	February 2000
152	Regina Rifles Book (ordered for borrowing from Regina Public Library)	July 2001
	Sunspot Cycle References and Climate Cycle	
153	Sunspot Cycles and Earth's Magnetic Field	2003
154	Sunspot Cycle Information (Chapter 9)	1983
155	Wheeler Weather and Climate Information from Archives at University of Kansas	n.d.
156	Companile Inscription at University of Kansas; maps of campus and correspondence with U of K. Chancellor (for use in preface of book)	1978, 1979
157	Planned Efforts for the Completion of Book 1998 – 1999 Work – Graphs, Text, Appendices	June 17, 2004
158	Data and Graphs, Notes, Analysis and Discussion Planning	January 2000
159	Graph and Figure Data for Publication Including Excel Help	November 1999 - 2002
160	Graphs Planned for Use in Book	June, October 2000
161	Page Size – Changes Made to 8.5 x 14 Paper	December 29, 2002
162	Text Box Usage for Graphs, Explanation from Microsoft Technical Help	October 10, 2000
	Outline and Planning for Book	
163	Consistency Planning (editing)	2002, 2003
164	Cross-Reference in Text	n.d.
164	Draft Outline Pages – Contents, Tables Poems	2007, 2008
166	Figure and Table Planning	May – June 1999
167	Miscellaneous Notes and Review	2000, 2001
168	Outline and Poems and Plans	2003 – 2005
169	Outlines and Notes for Planning of Book	2004 – 2006
170	Standard Fonts, etc., for Book	June 1999
	Miscellaneous Revisions in 2007-2008	
171	Appendix A with Summary (next to final)	2007, 2008

	172	Appendix B with Minor Alignment Errors Copy 2	January 4, 2008
	173	Appendix C World Population Copy 2 Calculations and Estimates	2007, 2008
	174	Appendix D, Copy 2 Four Cycle Average International War Index	2007
	175	Appendix E	n.d.
	176	Appendix E (outdated) Table E (replaced)	May 4, 2009
	177	Book Draft Preparation and Layout	n.d.
	178	From Copy 3	April – June 2009, March 13, 2010
	179	Sample Summary Paragraph at start of Chapter 2 (from Overview – Chapter 7 and 9)	October, November 2007
	180	Status of Book Finalization	2005 – 2007
	181	Summary Data in All Chapters	February 9, 2007
Box 5		Review Copies and Notes	
	182	Pages Removed and Replaced in Review Copy 2 (after Jack McNeil reviewed first version)	March 2002
	183	Review Notes from Bill Stahl	April 2004
	184	1944 Narrative re: Battle Chapter 15 re: 1944	February, March 2008
		Populations References and Notes re: Chapter 14 and Appendix C	
	185	Cohen – How Many People Can the World Support	1995
	186	Population Notes	September, November 2000, 2004
	187	Population Notes and References	1995, 1998
	188	Tuchman, Barbara – The Calamitous 14 <sup>th</sup> Century	1978
	189	World Population	1967, 2000
	190	World Population Data	1962, 1972, 1975 – 1979
		Review	
	191	By Alex MacDonald – Notes	September 28, 2007
	192	By Larry McDonald – Pages Marked with Corrections	August 2007
	193	Outline (Seawell's copy of draft for McFarland)	2006, 2008
	194	Contents List Changes	2008
	195	Preface Revisions	2007, 2008
	196	Acknowledgment Revisions	2007, 2008
	197	Overview Draft Changes	2007, 2008
	198	Chapter 1 with Larry McDonald Notes	2005, 2007
	199	Chapter 1 Further Changes	2007, 2008
	200	Chapter 1 Copy 1 Wheeler and His Index	2005, 2007
	201	Chapter 2 Copy 1 Pages 3 to 17 Draft and Suggestions	2006, 2007
	202	Chapter 2 Changes	2007, 2008
	203	Chapter 3 Changes	2006, 2007
	204	Chapter 4 Changes	2005 – 2007
	205	Chapter 5 Changes	2007
	206	Chapter 6 Copy 2 Pages	2006, 2007
	207	Chapter 7 Changes	July 2, 2006
	208	Chapter 8 Changes	September 24, October 12, 2007
	209	Chapter 9 Changes	2006, 2007
	210	Chapter 11, 12 Changes	2007



Box 6	211	Chapter 12 with Larry McDonald's Comments	2006, 2007
	212	Chapter 13 Seawell and Larry McDonalds Changes	August, November 2007
	213	Chapter 14 Corrections	September, October 2007
	214	Chapter 15 (New) World War II Years 1944 Changes	February 2008
	215	Chapter 15 World War II Year 1944 Copy 2	2005, 2008
	216	Chapter 15 Copy 1 World War II Peak Year 1944 Copy 1	October, November 2005
	217	Chapter 16 Copy 2 International Conflict After World War II in the 20 <sup>th</sup> Century	2007, 2008
	218	Chapter 16 Draft Changes	November 4, 17, late March 2008
	219	Chapter 16 Draft Changes	November 2, 2009
	220	Chapter 16 Nearly Completed	2007
	221	Chapter 17 Nearly Completed	2007, 2008
	222	Chapter 18 Changes	2006, 2007
	223	Chapter 18 Ending – Notes	March, April 2009
	224	Appendix A (without reference list)	2007, 2008
	225	Appendix A Changes	2005, 2007
	226	Appendix B Battle Index and Population Copy 2	2007, 2008
	227	Appendix B Draft Before Final Printing	November 2007
	228	Appendix B End of File Notes	January 4, 2008
	229	Appendix B Outdated	November 2007
	230	Appendix C Draft with Larry McDonald's Suggestions and Seawell's Notes	June 6, 2005
	231	Appendix C Log of Entries and Extra Sheets printed in Error	November 22, 2007; July, August, November 2007
	232	Appendix D Extra Copies Before Showing Table D	July, August, November 2007
	233	Appendix D Text and Notes – Changes on Last Page	August, November 2007
	234	Appendix E Changes	February, March 2008
	235	Appendix E Data 1946-2000 Copy 2	March 2008
	236	Appendix E War Statistics 1946-1991	January 28, 2008
	237	Appendix E Working Notes 1946-2000	January, March 2008
	238	Trial Table E Working Draft	February 2008
	239	Chapter 2 (new) Copy 3	March 2004
	240	Chapter 2-15 Comments by Larry McDonald	April 29, 2003
	241	Chapter 10 Reviewed by Larry McDonald	May 2004
	242	Chapter 11 Suggested Changes from Larry McDonald	February 2005
	243	Chapter 14 New Copy 2 from Jack McNeil	February 2005
	244	Chapter 16 Copy 3 Reviewed by Jack McNeil (includes sheets changed after review)	2003, 2004
	245	Copy 2 (old pages replaced after Bill Stahl reviewed draft in early 2004)	2004
	246	Notes from Discussion with Wayne Tunison and Changes	2003, 2004
	247	Notes re: Cycles and Potential Revisions	May 1983
	248	Peace is Breaking Out All Over the World (from Larry McDonald)	February 2005

	249	Reviews Comments by Earle Worby, Herb Kruger, Gerald Put	2000
		Draft Single-spaced	
	250	2007 Completion Log	2007
	251	Battle Data for 16 <sup>th</sup> and 17 <sup>th</sup> Century, Clodfelter and Wheeler Used in Table 2.5	2004, 2005
	252	Outline – List of Poems	2005
	253	Chapter 2	n.d.
	254	Chapter 7 Five-Year Moving Averages and Peaks Copy 1	Prior to 2005
		Seawell's Pertinent Notes about Book	
	255	Chapter 13 Modified 22 Year Cycle Revised Pages (Excel file information)	2003
	256	Chapter 15 International Conflicts After World War II in the 20 <sup>th</sup> Century (changed to be Chapter 16)	n.d.
	257	Chapter 17 Revised Pages as at September 23, 2007 Copy 2	September 23, 2007
		Original Chapters	
	258	Overview Segments used in Draft Synopsis	2007, 2009
	259	Synopsis Draft	n.d.
	260	Chapter 2 New Copy 1	2006
	261	Chapter 3 Copy 1 Century-Long Cycle Concept	May 2006
	262	Chapter 5 Copy 1 International War Index	2006, 2007
	263	Chapter 6 Copy 1 5 Year Moving Averages and Peak International Warfare Levels	2006
	264	Chapter 7 Copy 1 Edward R. Dewey and His International War Cycle	2004, 2005
	265	Chapter 10 Linking and Modifying Dewey's Long Cycles	n.d.
	266	Latest Chapter 11 Dewey's 22 Year Cycle	n.d.
Box 7	267	Chapter 13 Copy 1 Modified 22 Year Cycle	n.d.
	268	Chapter 14 Draft Before Figures Moved and Red Lines Removed	2006, 2007
	269	Notes re: Chapter 14	September 12, 2007
	270	Chapter 14 Heart and Lung Model	2003, 2004
	271	Chapter 15 International Wars after World War II in 20 <sup>th</sup> Century (changed to be Chapter 16)	2003 – 2005
	272	Appendix B	February 2004
	273	Appendix C World Population	February 2002
	274	Appendix D Four-Cycle Average International War Index	2007
	275	Appendix E Data 1946-2000	March 2008
	276	Table E Hand Determinations of Numbers of Battles 1946-2000	March 2008
	277	World Population	n.d.
		Former Copy 3	
	278	Outline and Poems	2003, 2006
	279	Preface	February 2004
	280	Chapter 2 (new) on 16 <sup>th</sup> and 17 <sup>th</sup> Centuries	n.d.
	281	Chapter 3 (poems to go with)	n.d.
	282	Chapter 4 World Population as given Bill Stahl on February 12, 2004 for his Comments	February 12, 2004
	283	Chapter 5 International War Index before Historical Additions	June 2006

	284	Chapter 6 Five Year Moving Averages and Peaks	2005
	285	Chapter 8 Long Cycle Analysis	November 14, 2005
	286	Chapter 9 Linking and Modifying Dewey's Long Cycles (changed to be Chapter 10)	2003, 2004
	287	Chapter 10 Copy 3	n.d.
	288	Chapter 11 Copy 3 Dewey's 22 Year Cycle Interrelated with Long-Cycle	July 2006
	289	Chapter 11 to 15 (14 removed)	2003
	290	Chapter 18 (double spaced)	June 25, 2003
	291	Chapter 16 (outdated, becomes Chapter 18)	n.d.
	292	Appendix B	n.d.
	293	Appendix D	July 1, 2003
	294	Appendix D International Battle 16 <sup>th</sup> and 17 <sup>th</sup> Centuries (becomes Table 2.3 - 2.5 in Chapter 2)	n.d.
		Draft	
	295	Planning Notes	January 16, 2005
	296	Draft Pages	2006, 2007
	297	Acknowledgment Draft Pages	2007, 2008
	298	Preface Pages	2006
	299	Overview Draft	2000
	300	Overview Draft Sheets That Have Been Collected	March 2000
	301	Overview Moved to Preface	2007
	302	Chapter 2 Wheeler and His Index	2008
	303	Chapter 2 Wheeler's Index of International Battles, Text and Figures Original	2000, 2002
	304	Chapter 2 and New Appendix D Major Battles Using Clodfelter Data on 16 <sup>th</sup> and 17 <sup>th</sup> Century (becomes Table 2.3 - 2.5 in Chapter 2)	2004
	305	Chapter 2 (new) (was 14)	2006, 2007
	306	Chapter 2 (new) Notes and Data Comparing Battle Indexes from Wheeler and Clodfelter Data for 16 <sup>th</sup> and 17 <sup>th</sup> Centuries	2005
	307	Chapter 2 (new) Draft Pages That Have Been Redone	2005
	308	Chapter 2 Figures	n.d.
	309	Chapter 3 Draft Century-Long Cycle Concept	2006, 2008
	310	Chapter 3 World Population	n.d.
	311	Chapter 4 World Population	2005, 2007
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	313	Chapter 6 Earlier Notes Dewey's 164 Year and 143 Year-Long Cycles	2002
	314	Chapter 6 Five Year Moving Average and Peaks International Warfare Levels - Drafts and Notes	2006
	315	Chapter 6 Old Copy Average Levels in Four Cycles 14 <sup>th</sup> to 20 <sup>th</sup> Centuries	2002, 2003
	316	Chapter 7 Dewey and His War Cycles	July 2, 2006
	317	Chapter 7 Edward R. Dewey and His International War Cycles	n.d.
	318	Chapter 7 Edward R. Dewey and His War Cycles Drafts and Notes	2001, 2007
	319	Chapter 7 Review Copy re: Dewey	2003
	320	Chapter 10 Revised (now Chapter 7) Edward R. Dewey and His Cycles Original	2004

	321	Chapter 8 Dewey's 164 Year and 143 Year Long Cycles	2003, 2004
	322	Chapter 8 Long Cycle Analysis	2005
	323	Chapter 8 Long Cycle Analysis Changes Made	2006, 2007
	324	Chapter 8 Long Cycles Updated Copy 3	2006, 2007
	325	Chapter 9 Pages with Color	n.d.
	326	Chapter 9 Sheets to go into Master File	2006, 2007, 2009
	327	Chapter 9 Warfare Level Patterns within Four Cycles Copy 3	2003, 2004, 2009
	328	Chapter 10 Edward R. Dewey and His Cycles Reference and Notes	2003
	329	Chapter 10 Linking and Modifying Deweys' Long Cycles	2003, 2004
	330	Chapter 11 Dewey's 22 Year Cycle Inter-Related with Long Cycles	August 5, 2006
	331	Chapter 12 Combining Dewey's 22 Year Cycle and Modified Dewey's Long Cycle	2006, 2007
	332	Chapter 13 Modified 22 Year Cycle	2006, 2007
	333	Chapter 15 Heart and Lung Model	2003
	334	Chapter 16 International Wars after World War II in 20 <sup>th</sup> Century	2003, 2007
	335	Chapter 17 Copy 1	2006, 2007
	336	Chapter 17 Copy 2 (changed to 18)	2006
	337	Chapter 18 Copy 2 (to become Chapter 17) Double Spaced	2006
	338	Chapter To Be 18	2006
	339	Appendix A Copy 2 Original Draft	2002, 2003, 2005
	340	Appendix A Copy 3 Outdated Revision	May 2003
	341	Appendix A Raymond H. Wheelers Research Outline	n.d.
Box 9	342	Appendix A Wheeler's Research and Concept	n.d.
	343	Appendix A Wheeler's Research and Concept	2005
	344	Appendix B Information on Specific Battles for Discussion of 1 Year Variation in BC Data from Wheeler	n.d.
	345	Appendix B Notes and Extra Sheets	2004
	346	Appendix B Text	November 15, 2007
	347	Appendix B Values of Wheelers Index	2002, 2003
	348	Appendix B War and Population	2004
	349	Appendix B Wheeler's Index Values, International War Index	2004
	350	Appendix C Copy 3 World Population	February 2002
	351	Appendix C Notes for Action	2002
	352	Appendix C Population Data	2000
	353	Appendix D 4 Cycle Average	November 9, 2005
	354	Appendix D 4 Cycle Average – International War Index	July 17, 2002
	355	Appendix E 1946 - 1991 (to become 2000) Introductory Text	n.d.
	356	Appendix E 1999 Version	2001, 2004
	357	Appendix E Formatted Statistical Worksheet Clodfelters Unused 16 <sup>th</sup> and 17 <sup>th</sup> Century Data	n.d.
	358	Appendix F not included, as data in Chapter 2) Appendix F (or E) Draft Pages that have Been Replaced (	n.d.

	359	Appendix F Data	2004
	360	Appendix F Data 17 <sup>th</sup> Century Battles	2004
	361	Guidelines for Battle Count	November 2004
		Computer Software Problems When Printing Figures	
	362	Sheets That Have Been Incorrectly Printed	2000
	363	Usage Notes	2000
		Man in Conflict Series – University of Regina	
	364	Abstract of War Cycle Talk at 1979 Math Modeling Conference	1979
	365	Negatives (and Positives) of Graphs	1975, 1979
	366	World War II Front Pages and Clipping for Man in Conflict Series	1975
		Pulse of War / Man in Conflict Series	
	367	Appendix Planning for <i>Pulse of War</i>	June 22, 1999
	368	Planning Ideas (for possible paper, ideas for war cycle and projection papers for Math Modelling Conference and for Cycles Journal)	1986
	369	Typed War and Peace Newspaper Headlines and Article Summaries 1945 - 1960	1941, 1950-1951, 1960-1961
		War Games, Modern and other Simulations and Computer Games	
	370	Cyberstates	April 14, 2000
	371	Games – War and Civilization, Sim City, Populous and Alpha Centari	March 1, 1999
	372	Myst Techniques Discussed	2001
		Historical Data	
	373	Crusades Historical Information from Wortley and Seawell's Analysis from this University of the Air Lecture	1978
	374	Germany – Background Leading Up to World War I and II	1982, 1983
	375	Historical Data for Appendix	1969
	376	Historical Information Pertinent to the Pulse of War Book	1979
Box 10	377	Historical Information for Potential Use in Book	1978, 1979
	378	Long Term Historical Information from Wortley on University of the Air and Encyclopedia Britannica	1974, 1979 – 1981
	379	Renaissance Historical Information	July 1979
	380	Summary of New Historical Information for Special on Warfare Level Canadian Association for Future Studies (CAFS) Conference	1977
	381	University of the Air Climate Historical Records	1980, 1983
		Dewey and Wheeler and Material from the University of Kansas Archives	1979
	382	Appendix D (old) 5 Cycle Averages – Chapters	2000
	383	Appendix D (old) 5 Cycle Averages – Graphs and Notes re: Four Cycle Averages	2004
	384	Appendix H – Some Other War Cycles Studied (chapter not being used)	n.d.
	385	Can the Pulse of International War Be	2000, 2001

	Changed? (chapter not being used)	
386	Chapter 6 5 Cycle Analysis Seawell's	2001
	Former 5 Cycle Averages Analysis	
387	Economics and Climate	1979
388	Geographic Breakdowns Not Being	April 29, 2004
	Implemented – Planning re: Index	
389	Tapes from Plotting Period	n.d.
390	Wheeler – Culture	1978
391	Wheeler – Lake Levels and River	1978
	Closing Related to Weather	
392	Wheeler – Music in History from	n.d.
	Steiger's Book	
393	Wheeler – Tree Rings and Climate	1978
394	Wheeler – Weather and Sunspots	1978
395	Wheeler's Civil War Index	
396	Wheeler's Historical Data Related to	June 1978
	Climate	
	Overview Chapter – Earlier Draft – Overview	
	(replaced by shorter synopsis)	
397	Chapter 4 Des Partridge Review	March 12, 2000
398	Copy 3	March 2000
399	Copy 5 Herb Kruger Review Copy	March 12, 2000
400	Discussion Notes or Overview of Other	February 2000
	Chapters	
401	Lettered Cycles and Their Graphs	1999, 2000
402	Master Copy	2000
403	Overview 5 Notes and Chapters on	February 2000
	Modified Dewey's Cycle	
404	Overview 6 Text Draft Used for Chapter	2000
	16	
405	Overview Copy B	November 2000
406	Printed Sheets that may be Used in	March 2000
	Revised Overview Draft	
	Outdated Draft Material	
407	3 Year to 25 Year Moving Average	n.d.
	Graphs (not using)	
408	Introductory Chapter of Pulse of War	1999, 2000
409	Chapter 3 World Population Chapter	2000-2002
410	Chapter 4 (eliminated) Wheeler's Cycle	2000
	Guide of Climate and Human	
	Behaviour	
411	Chapter 15 The 22 Year Cycle and Its	2002
	Relation to the Long Cycle – Drafts	
	and Notes	
412	Omitting 7 Year Moving Averages	2000
	Graphs and Associated Data	
	Earlier Draft Files	
413	Notes Re: Book To Review Before	2005
	Completing Draft	
414	Preface – Notes for Action	2004
415	Outline – Preface	2005, 2006
416	Contents and Poems - Extra Outdated	2004, 2005
	Copies	
417	Chapter 1 Extra Figures	May 2005
418	Chapter 2 – A Comparative Study	October 2006
	(single spaced)	

	419	Chapter 2 – Book Segment	November 21, 2006
	420	Chapter 2 – Extra Figures	November 21, 2006
	421	Chapter 3 Century-Long Cycle Concept (single spaced copy 2)	2006, 2007
Box 11	422	Chapter 4 World Population (older copy 2)	2005, 2007
	423	Chapter 6 Five Year Moving Averages (older copy 2)	2006
	424	Chapter 7 (copy 3) Edward R. Dewey	n.d.
	425	Chapter 9 Warfare Level Patterns with Four Long Cycle	2006, 2007
	426	Chapter 10 Linking and Modifying Dewey's Long Cycles	n.d.
	427	Chapter 10 Linking and Modifying Dewey's Long Cycles (before colors removed and figures put in back of chapters)	July 24, 2006
	428	Chapter 11 Extra Copies of Figures	August 5, 2006
	429	Chapter 12 (draft copy 3) Combining 22 Year Cycle and Modified Dewey's Long Cycle	2006
	430	Chapter 14 Heart and Lung Model	2003, 2005, 2006
	431	Chapter 15 Wars After World War II in the 20 <sup>st</sup> Century (copy 2 draft) (becomes Chapter 16)	2006
	432	Table 16.6 Revised Indices for 1946 to 2000	n.d.
	433	Chapter 16 Projecting into the 21 <sup>st</sup> Century (changed to Chapter 17)	2006
	434	Trial Copies of Figure 16.1 and Text	2007
	435	Chapter 16 Notes Projecting (and Figure 16.3)	n.d.
	436	Chapter 17 Why the Pulse of International War (copy 2 double spaced) (changed to Chapter 18)	2006, 2007
	437	Appendix B Copy 2	2006, 2007
	438	Appendix C (review copy 2)	2002
	439	Appendix D Four Cycle Average	2005, 2007
	440	Copy 2 Final Draft	
	441	Outline	2008, 2012
	442	Preface	2008, 2012
	443	Acknowledgment	2013
	444	Synopsis (briefer than Overview segment)	2010
	445	Chapter 1 Wheeler and His Index	2007 – 2009
	446	Chapter 2 A Comparative Index from Clodfelter's Record of 16 <sup>th</sup> and 17 <sup>th</sup> Centuries	2006, 2007
	447	Chapter 3 Century-Long Cycle Concept	2006, 2007
	448	Chapter 4 World Population	2007, 2008
	449	Chapter 5 International War Index	2006, 2007
	450	Chapter 6 Five-Year moving averages and Peaks	2006, 2007
	450	Chapter 7 Edward R Dewey and His	2006, 2007

		International War Cycles	
	451	Chapter 8 Long Cycle Analysis	2006, 2007
	452	Chapter 9 Warfare Level Patterns within Four Long Cycles	2006, 2007
	453	Chapter 10 Linking and Modifying Dewey's Long Cycle	2007
	454	Chapter 11 Dewey's 22-year cycle interrelated with long Cycles	2006 – 2008, 2012
Box 12	455	Chapter 12 Combining Dewey's 22 Year Cycle and Modified Dewey's Long Cycle	2006, 2007
	456	Chapter 13 Modified 22-Year Cycle	2006, 2007
	457	Chapter 14 Heart and Lung Model	2006, 2007
	458	Chapter 15 1944 Peak Individual Year of Warfare	2008, 2009
	459	Chapter 16 International Conflicts After World War II in the 20 <sup>th</sup> Century	2007 – 2009
	460	Chapter 17 Projecting into the 21 <sup>st</sup> Century	2007, 2008
	461	Chapter 18 Why the Pulse of International War	2006, 2007, 2009
	462	Appendix A, B, C, D, E	n.d.
	463	Appendix E and Table E.1	2008