

Epistemological Movements in Communication: Reference Tables

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Introduction

This publication supports the chapter *Epistemological Movements in Communication: An Analysis of Empirical and Rhetorical/Critical Scholarship* to be published in the NCA Centennial Volume. It provides the extended data tables that could not be presented in the chapter because of space limitations. It does not stand alone and save for a few explanatory notes, is not presented to be read independently of the chapter. We request that any citation of the material here reference this work as a supplement to the chapter. The opportunity to misinterpret the data is otherwise quite high.

Table 1

Period	Type	<i>CM</i>	<i>JOC</i>	<i>J&MCQ</i>	<i>QJS</i>	All
1950s	Empirical	73	132	134	15	360
	Rhet/Crit	18	5	7	247	277
75-85	Empirical	211	382	438	37	1068
	Rhet/Crit	71	61	12	224	368
2000s	Empirical	218	413	425	1	1057
	Rhet/Crit	24	12	15	173	224

Table 1 Number of articles for each time period, type of scholarship, and journal of publication.

Note 1: As this table makes apparent, empirical articles outpace rhetorical/critical articles by a ratio of nearly 3:1. This ratio matches the rate of publication in our journals.

Note 2: The *Journal of Communication* became a special case during the 1975-85 period. The journal was taken over by the Annenberg School of Communication under the editorship of George Gerbner and associate editorship of Marsha Siefert. Most volumes in the first half of the period had multiple invited symposia and submitted manuscripts were rigorously edited for length. The result was a number of very short articles that were difficult to code and multiple articles that were outside the “run of the mill.” Consequently, for the 1975-79 years, we established judgment rules on length—typically 5 pages or more and limits on articles that were marked as invited. For 1980 forward, all articles in the database were entered with the exception of the “Ferment in the Field” issue, which was clearly not normal journal practice.

Table 2a

Period	Source by Theory	CM	JOC	J&MCQ	QJS	All	Percent
1950s	General Empiricist	36	82	98	11	227	63
	Cognitivism	36	23	18	2	79	22
	Effects	1	5	11	0	17	5
	Communication defined	0	13	1	0	14	4
	Social Action	0	8	2	0	10	3
	Semiotics	0	5	0	2	7	2
	Economic	0	0	2	0	2	1
	Soc Psych/Sociology	0	0	2	0	2	1
	Social Justice	0	1	1	0	2	1
	Bio-cognitive	0	0	0	0	0	0
	Critical Issue	0	0	0	0	0	0
	Cultural Studies	0	0	0	0	0	0
	Grounded Theory	0	0	0	0	0	0
	LSI/CA	0	0	0	0	0	0
75-85	General Empiricist	21	151	194	3	369	35
	Cognitivism	122	66	126	10	324	30
	Soc Psych/Sociology	50	61	66	9	186	17
	Effects	1	24	27	0	52	5
	Economic	0	25	17	0	42	4
	Cultural Studies	0	21	0	2	23	2
	Social Action	4	8	1	8	21	2
	LSI/CA	7	7	0	3	17	2
	Critical Issue	0	10	2	0	12	1
	Social Justice	0	5	3	0	8	1
	Communication defined	4	2	0	1	7	1
	Bio-cognitive	0	2	2	0	4	0
	Semiotics	2	0	0	0	2	0
	Grounded Theory	0	0	0	1	1	0
2000s	Cognitivism	82	178	153	1	414	40
	General Empiricist	62	62	114	0	238	23
	Soc Psych/Sociology	39	42	43	0	124	12
	Effects	9	75	31	0	115	11
	Social Action	16	22	20	0	58	6
	Critical Issue	1	20	28	0	49	5
	Social Justice	3	9	17	0	29	3
	Economic	0	1	15	0	16	2
	Cultural Studies	1	1	4	0	6	1
	LSI/CA	2	1	0	0	3	0
	Bio-cognitive	1	1	0	0	2	0
	Communication defined	2	0	0	0	2	0
	Grounded Theory	0	1	0	0	1	0
Semiotics	0	0	0	0	0	0	

Table 2a: Empirical articles by theory family over journals and time periods ordered in each period by frequency of appearance.

Table 2b

Table 9

Period	Source by Theory	CM	JOC	J&MCQ	QJS	All	Percent
1950s	Classical/Aristotelian	17	3	0	120	140	51%
	Performance	0	0	0	43	43	16%
	Unassigned	0	0	4	11	15	5%
	New Rhetoric	0	0	0	14	14	5%
	Cognitivism	0	1	0	12	13	5%
	Communication Defined	0	0	1	9	10	4%
	Effects	0	0	1	8	9	3%
	Social Action	0	1	0	8	9	3%
	Semiotics	0	0	1	7	8	3%
	Behavior	1	0	0	7	8	3%
	Burkean	0	0	0	7	7	3%
Genre	0	0	0	1	1	0%	
75-85	Burkean	18	21	10	68	117	32%
	Ideology	6	14	1	16	37	10%
	Aristotelian	14	0	0	19	33	9%
	Narrative	2	5	0	13	20	5%
	Argumentation	3	0	0	16	19	5%
	Critical	1	8	0	8	17	5%
	Aesthetic	3	1	0	13	17	5%
	Performance	4	2	0	10	16	4%
	Genre	5	0	0	9	14	4%
	New Rhetoric	3	0	0	11	14	4%
	Fantasy Theme	3	1	0	9	13	4%
	Metaphor	2	0	0	7	9	2%
	Social Change	3	0	0	4	7	2%
	Feminist	0	2	1	3	6	2%
	Psychoanalytic	2	0	0	3	5	1%
	Effects	1	2	0	1	4	1%
	Epistemic Rhetoric	0	0	0	4	4	1%
	Ethics	0	3	0	0	3	1%
	Media	0	2	0	1	3	1%
	Hermeneutics	0	0	0	2	2	1%
Speech Act	0	0	0	2	2	1%	
Symbolic Interaction	0	0	0	2	2	1%	
Semiotics	0	0	0	2	2	1%	
Postmodern	1	0	0	0	1	0%	
Nonverbal	0	0	0	1	1	0%	
2000s	Burkean	1	1	6	31	39	17%
	Postmodern	3	1	0	24	28	13%
	Aristotelian	0	2	0	23	25	11%
	Social/Cultural	5	0	2	17	24	11%
	Ideology	2	2	1	17	22	10%
	Feminist	2	2	2	10	16	7%
	Constitutive Rhetoric	0	0	0	10	10	4%

Narrative	1	0	2	6	9	4%
Psychoanalytic	0	0	0	9	9	4%
Organizational	5	0	1	1	7	3%
Foucaultian	1	0	0	5	6	3%
Queer Theory	0	0	0	6	6	3%
Effects	4	2	0	0	6	3%
Hermeneutics	0	0	0	5	5	2%
New Rhetoric	0	0	0	4	4	2%
Marxist	0	0	1	2	3	1%
Critical	0	0	0	2	2	1%
Genre Theory	0	1	0	0	1	0%
Fantasy Theme	0	1	0	0	1	0%
Metaphor	0	0	0	1	1	0%
Cognitivism	0	0	0	0	0	0%

Table 2b: Rhetorical/critical articles by theory family over journals and time periods ordered in each period by frequency of appearance.

Table 3a

Period	Source by Explicit Theory	CM	JOC	J&MCQ	QJS	All	Percent
1950s	Yes	23	19	23	5	70	19
	No	50	118	112	10	290	81
75-85	Yes	154	101	136	25	416	39
	No	57	281	302	12	652	61
2000s	Yes	157	311	258	1	727	71
	No	61	102	167	0	330	32

Table 3a: Empirical articles containing a specific theory over journals and time periods.

Table 3b

Period	Source by Explicit Theory	CM	JOC	J&MCQ	QJS	All	Percent
1950s	Yes	18	5	4	236	262	95%
	No	0	0	3	11	15	5%
75-85	Yes	71	61	12	224	368	100%
	No	0	0	0	0	0	0%
2000s	Yes	24	12	15	173	224	100%
	No	0	0	0	0	0	0%

Table 3b: Rhetorical/critical articles containing a specific theory over journals and time periods.

Table 4a

Period		CM	JOC	J&MCQ	QJS	All	Percent
1950s	Discovery	69	25	91	6	191	53
	Integration	4	41	34	8	87	24
	Application	0	55	8	0	63	18
	Teaching	0	16	2	1	19	5
75-85	Discovery	178	270	414	21	883	83
	Integration	28	59	7	15	109	10
	Application	5	52	17	1	75	7
	Teaching	0	1	0	0	1	0
2000s	Discovery	183	352	385	1	923	90
	Integration	34	57	38	0	131	13
	Application	0	1	2	0	3	0
	Teaching	0	0	0	0	0	0

Table 4a: Empirical articles by epistemological location over journals and time periods.

Table 4b

Period		CM	JOC	J&MCQ	QJS	All	Percent
1950s	Discovery	9	2	2	88	101	36.59%
	Application	5	2	4	72	83	30.07%
	Teaching	3	1	0	50	54	19.57%
	Integration	1	0	1	36	38	13.77%
75-85	Application	41	34	4	129	208	56.5%
	Integration	17	9	0	47	73	19.8%
	Discovery	11	9	3	42	65	17.7%
	Teaching	2	9	5	6	22	6.0%
2000s	Application	18	10	13	132	173	77.2%
	Integration	3	2	1	19	25	11.2%
	Discovery	3	0	0	13	16	7.1%
	Teaching	0	0	1	9	10	4.5%

Table 4b: Rhetorical/critical articles by epistemological location over journals and time periods.

Table 5a

Period	Source/Quadrant	CM	JOC	J&MCQ	QJS	All	Percent
1950s	Quadrant = 1	72	36	103	7	218	61
	Quadrant = 2	0	4	0	0	4	1
	Quadrant = 3	0	1	1	0	2	1
	Quadrant = 4	1	96	31	8	136	38
75-85	Quadrant = 1	186	294	426	15	921	86
	Quadrant = 2	6	9	0	10	25	2
	Quadrant = 3	1	7	0	3	11	1
	Quadrant = 4	18	72	12	9	111	10
2000s	Quadrant = 1	185	342	400	1	928	90
	Quadrant = 2	13	20	13	0	46	4
	Quadrant = 3	3	4	3	0	10	1
	Quadrant = 4	17	47	9	0	73	7

Table 5a: Empirical articles by epistemological quadrant over journals and time periods.

Table 5b

Period	Source/Quadrant	CM	JOC	J&MCQ	QJS	All	Percent
1950s	Quadrant 1	1	0	0	22	23	8%
	Quadrant 2	5	3	6	110	124	45%
	Quadrant 3	12	2	1	115	130	47%
	Quadrant 4	0	0	0	0	0	0
75-85	Quadrant 1	0	0	0	1	1	0.27%
	Quadrant 2	15	13	12	10	50	13.59%
	Quadrant 3	54	47	0	205	306	83.15%
	Quadrant 4	2	1	0	8	11	2.99%
2000s	Quadrant 1	0	0	1	0	1	0%
	Quadrant 2	12	6	7	15	40	18%
	Quadrant 3	7	2	7	69	85	38%
	Quadrant 4	5	4	0	89	98	44%

Table 5b: Rhetorical/critical articles by epistemological quadrant over journals and time periods.

Table 6a

Period	Source by Argument	CM	JOC	J*MCQ	QJS	All	Percent
1950s	Experiment	61	18	21	1	101	28
	Essay	0	55	18	5	78	22
	Analytical	6	42	15	4	67	19
	Survey	6	1	45	4	56	16
	Content Analysis	0	1	24	0	25	7
	Review	0	9	8	0	17	5
	Case/ethnography	0	5	3	0	8	2
	Descriptive Narrative	0	6	0	0	6	2
	Qualitative Survey	0	0	1	1	2	1
	Conversation Analysis	0	0	0	0	0	0
	Network Analysis	0	0	0	0	0	0
	Text/Discourse Analysis	0	0	0	0	0	0
75-85	Survey	28	101	229	3	361	34
	Experiment	118	54	65	3	240	22
	Content Analysis	14	73	111	2	200	19
	Essay	10	62	5	14	91	9
	Case/ethnography	15	46	13	3	77	7
	Analytical	17	20	10	3	50	5
	Review	2	19	1	1	23	2
	Text/Discourse Analysis	1	2	1	5	9	1
	Qualitative Survey	2	3	3	0	8	1
	Conversational Analysis	4	1	0	1	6	1
	Descriptive Narrative	0	1	0	2	3	0
	Network Analysis	0	0	0	0	0	0
2000s	Survey	73	131	156	1	361	35
	Experiment	62	126	65	0	253	25
	Content Analysis	9	54	125	0	188	18
	Analytical	14	18	25	0	57	6
	Essay	11	31	5	0	47	5
	Qualitative Survey	20	7	17	0	44	4
	Case/ethnography	12	13	12	0	37	4
	Text/Discourse Analysis	5	16	8	0	29	3
	Review	6	8	10	0	24	2
	Network Analysis	1	8	2	0	11	1
	Conversation Analysis	3	1	0	0	4	0
	Descriptive Narrative	2	0	0	0	2	0

Table 6a: Empirical articles by form of argument over journals and time periods ordered in each period by frequency of appearance.

Table 6b

Period	Source by Argument	CM	JOC	JQ	QJS	All Journals	Percent
1950s	Criticism	6	1	1	78	86	31%
	Theory Building	4	4	0	66	74	27%
	Review	0	0	4	60	64	23%
	History	7	0	2	31	40	14%
	Experiment	1	0	0	12	13	5%
1975-1985	Criticism	36	29	0	132	197	54%
	Theory Building	21	9	0	74	104	28%
	Review	2	17	5	8	32	9%
	Case Study	7	5	7	1	20	5%
	History	1	1	0	8	10	3%
	Experiment	4	0	0	1	5	1%
2000s	Criticism	4	5	5	126	140	63%
	Theory Building	5	2	1	39	47	21%
	Case Study	11	4	5	0	20	9%
	Review	0	0	2	7	9	4%
	Experiment	4	1	0	0	5	2%
	History	0	0	2	1	3	1%

Table 6b: Rhetorical/critical articles by form of argument over journals and time periods ordered in each period by frequency of appearance.

Table 7a

Period	Source by Topic	CM	JOC	J&MCQ	QJS	All	Percent
1950s	Communication Variables	16	17	29	4	66	18
	Business/policy/regulation	1	16	19	0	36	10
	Instruction/teaching	5	18	5	2	30	8
	Message Characteristics/effects	13	0	16	0	29	8
	General Communication	0	22	3	3	28	8
	Method/methodology/praxis	7	8	13	0	28	8
	Theory/epistemology	0	14	7	3	24	7
	Media Praxis/consequences	1	2	18	1	22	6
	Intercultural/international	2	10	5	1	18	5
	Audience	5	0	12	0	17	5
	Speech/hearing	16	0	0	0	16	4
	Listening	4	10	0	0	14	4
	Skills	1	12	0	0	13	4
	Communication Practices	0	1	5	0	6	2
	Groups/leadership/decision-making	2	2	0	1	5	1
	Health Communication	0	0	3	0	3	1
	Interpersonal/relationships	0	3	0	0	3	1
	Organizational	0	1	0	0	1	0
	Persuasion/compliance/propaganda	0	1	0	0	1	0
	Campaigns/politics/news	0	0	0	0	0	0
Gender	0	0	0	0	0	0	
Identity	0	0	0	0	0	0	
Race	0	0	0	0	0	0	
75-85	Communication Variables	68	23	50	3	144	13
	Message Characteristics/effects	5	60	77	0	142	13
	Communication Practices	10	53	43	13	119	11
	Audience	2	21	86	0	109	10
	Business/policy/regulation	0	43	50	0	93	9
	Media Praxis/consequences	2	62	22	2	88	8
	Campaigns/politics/news	6	17	35	1	59	6
	Method/methodology/praxis	22	15	12	2	51	5
	Intercultural/international	6	19	17	0	42	4
	Gender	7	16	15	2	40	4
	Theory/epistemology	14	10	2	7	33	3
	Interpersonal/relationships	19	5	1	4	29	3
	Groups/leadership/decision-making	24	0	0	1	25	2
	Race	2	3	16	1	22	2
	Organizational	10	4	7	0	21	2
	Persuasion/compliance/propaganda	13	4	3	0	20	2
	Health Communication	0	14	0	0	14	1
	Instruction/teaching	0	11	0	0	11	1
	Identity	0	2	0	0	2	0
Skills	1	0	0	1	2	0	
General Communication	0	0	0	0	0	0	

	Listening	0	0	0	0	0	0
	Speech/hearing	0	0	0	0	0	0
2000s	Media Praxis/consequences	9	106	74	0	189	18
	Communication Variables	19	39	128	0	186	18
	Message Characteristics/effects	37	37	46	0	120	12
	Interpersonal/relationships	62	26	0	0	88	9
	Communication Practices	5	35	20	0	60	6
	Audience	2	23	31	0	56	5
	Theory/epistemology	16	28	10	1	55	5
	Gender	3	14	30	0	47	5
	Organizational	20	8	13	0	41	4
	Method/methodology/praxis	11	5	21	0	37	4
	Campaigns/politics/news	1	31	0	0	32	3
	Business/policy/regulation	0	1	28	0	29	3
	Intercultural/international	5	8	12	0	25	2
	Health Communication	2	20	1	0	23	2
	Persuasion/compliance/propaganda	9	10	2	0	21	2
	Groups/leadership/decision-making	15	0	0	0	15	1
	Race	1	6	4	0	11	1
	Identity	0	9	0	0	9	1
	Instruction/teaching	1	7	1	0	9	1
	General Communication	0	0	4	0	4	0
Listening	0	0	0	0	0	0	
Skills	0	0	0	0	0	0	
Speech/hearing	0	0	0	0	0	0	

Table 7a: Empirical articles by topic over journals and periods ordered by frequency of appearance in each period.

Table 7b

Period	Source by Topic	CM	JOC	J&MCQ	QJS	All	Percent
1950s	Topic: Public Address	10	2	0	94	106	38%
	Topic: Theater	4	0	0	43	47	17%
	Topic: Rhetoric/Language	0	0	0	20	20	7%
	Topic: Performance	1	0	0	15	16	6%
	Topic: Argumentation	2	1	0	10	13	5%
	Topic: Instruction	0	0	0	8	8	3%
	Topic: Debate	1	0	0	7	8	3%
	Topic: Media	0	0	1	6	7	3%
	Topic: Comm Disorders	0	0	0	7	7	3%
	Topic: Comm Practices	0	1	0	5	6	2%
	Topic: Methodology Overview	0	0	0	5	5	2%
	Topic: Comm Variables	0	0	0	5	5	2%
	Topic: Free Speech	0	0	1	4	5	2%
	Topic: Theory Overview	0	0	0	4	4	1%
	Topic: Movements	0	0	1	3	4	1%
	Topic: Journalism Studies	0	0	3	0	3	1%
	Topic: Semantics	0	0	0	3	3	1%
	Topic: Skills	0	0	0	2	2	1%
	Topic: Intercultural	0	1	0	1	2	1%
	Topic: Persuasion	0	0	1	1	2	1%
Topic: Organizational	0	0	0	2	2	1%	
Topic: General Communication	0	0	0	1	1	0%	
Topic: Genre	0	0	0	1	1	0%	
75-85	Theory Overview	17	15	0	62	94	26%
	Public Address	11	0	0	32	43	12%
	Media	3	28	8	3	42	11%
	Movements	5	1	0	21	27	7%
	Political Campaigns	6	0	0	15	21	6%
	Rhetoric/Language	4	0	0	16	20	5%
	Theater/Interp of Literature	3	0	0	16	19	5%
	Argumentation	4	0	0	11	15	4%
	Methodology Overview	4	3	0	4	11	3%
	Race	3	3	0	5	11	3%
	Cinema	2	1	0	7	10	3%
	Free Speech	0	1	2	5	8	2%
	Military/War	3	0	0	5	8	2%
	Science	0	0	0	7	7	2%
	Gender	0	4	2	0	6	2%
	Health	0	2	0	3	5	1%
	Power	1	1	0	3	5	1%
	Visual Rhetoric	1	2	0	1	4	1%
	Culture	1	0	0	3	4	1%
	Organization	2	0	0	1	3	1%
Environment	1	0	0	2	3	1%	
Group	1	0	0	0	1	0%	
Debate	0	0	0	1	1	0%	
2000s	Public Address	4	0	1	24	29	13%

Media	2	3	9	12	26	12%
Movements/Social Change	1	0	0	23	24	11%
Theory Overview	1	1	0	19	21	9%
Rhetoric/Language	1	0	1	16	18	8%
Race	2	2	0	13	17	8%
Gender/Sexuality	1	3	2	8	14	6%
Health	1	1	0	12	14	6%
Military/War	0	0	0	12	12	5%
Organizational	9	0	0	0	9	4%
Citizenship	0	0	0	7	7	3%
Power	0	0	0	6	6	3%
Visual Rhetoric	0	0	0	6	6	3%
Engaged Scholarship	0	0	0	6	6	3%
Performance Studies	1	0	0	4	5	2%
Argumentation	0	2	0	3	5	2%
Cultural Studies	0	0	0	2	2	1%
Free Speech	0	0	2	0	2	1%
Methodology Overview	1	0	0	0	1	0%

Table 7b: Rhetorical/critical articles by topic over journals and periods ordered by frequency of appearance in each period.

Additional Tag Clouds

The following figures present the tag clouds for each journal and each time period for each of empirical articles and rhetorical/critical articles. The tag clouds for the empirical studies are presented first (Figures 1-4) followed by the tag clouds for rhetorical/critical articles (Figures 5-8).

Appendix A

Excluded Word List

Comment

Word frequency lists and the tag clouds referenced to them are subject to artifactual distortions due to the requirements of syntax, grammar and of the textual form. Forms of speech that direct the relationship of word but add no substantive information, for example, would routinely be at the top of the word frequency lists and featured prominently in tag clouds. This outcome violates the intention of such analysis, which is to display the substantive concepts in play. Most of the words in the following excluded word list are common in all such lists and have no impact on the substance of the matter. Certain words, however, connected to the venues of publication—such as speech, communication, international, association, journal—might have substantive value but that value is swamped by their use in the publication format. Certainly, the term *communication* is present in substantive discussion, but its overwhelming appearance is the consequence of titles and publications. In the study, this problem is mitigated by the topic coding procedure. It is, therefore, possible to understand the presence of communication, speech, and the like within the archive through these means. The words excluded from the frequency lists and, as a consequence, the clouds are listed below.

List of Excluded Words:

1954 1955 1957 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 2012 2013 a able
about above according account across additional after again against alerts all almost also although
always am among amount an and angeles another any approach are area aren't aren't article as

asked association at author available based basic basis be because becker become been before
being below best better between beyond black both brought but by called campbell can can't
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