

Pragmatism

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March 21, 2022

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1 Pragmatism

Philosophical tradition that considers words and thought as tools and instruments for prediction, problem solving, and action This article is about the philosophical movement. For other uses, see Pragmatism (disambiguation)¹.

Part of a series² on

Philosophy³

⁴

- Plato⁵
- Kant⁶
- Nietzsche⁷
- Buddha⁸
- Confucius⁹
- Averroes¹⁰

1 [https://en.wikipedia.org/wiki/Pragmatism_\(disambiguation\)](https://en.wikipedia.org/wiki/Pragmatism_(disambiguation))

2 <https://en.wikipedia.org/wiki/Category:Philosophy>

3 <https://en.wikipedia.org/wiki/Philosophy>

4 https://en.wikipedia.org/wiki/File:Philbar_3.png

5 <https://en.wikipedia.org/wiki/Plato>

6 https://en.wikipedia.org/wiki/Immanuel_Kant

7 https://en.wikipedia.org/wiki/Friedrich_Nietzsche

8 https://en.wikipedia.org/wiki/Gautama_Buddha

9 <https://en.wikipedia.org/wiki/Confucius>

10 <https://en.wikipedia.org/wiki/Averroes>

Branches¹¹

- Aesthetics¹²
- Axiology¹³
- Cosmology¹⁴
- Epistemology¹⁵
- Ethics¹⁶
- Legal¹⁷
- Linguistic¹⁸
- Logic¹⁹
- Mental²⁰
- Metaphilosophy²¹
- Metaphysics²²
- Political²³
- Religious²⁴
- Scientific²⁵
- Social²⁶

Periods²⁷

- Ancient²⁸
- Medieval²⁹
- Modern³⁰
- Contemporary³¹

11 https://en.wikipedia.org/wiki/Category:Branches_of_philosophy

12 <https://en.wikipedia.org/wiki/Aesthetics>

13 <https://en.wikipedia.org/wiki/Axiology>

14 [https://en.wikipedia.org/wiki/Cosmology_\(philosophy\)](https://en.wikipedia.org/wiki/Cosmology_(philosophy))

15 <https://en.wikipedia.org/wiki/Epistemology>

16 <https://en.wikipedia.org/wiki/Ethics>

17 https://en.wikipedia.org/wiki/Philosophy_of_law

18 https://en.wikipedia.org/wiki/Philosophy_of_language

19 <https://en.wikipedia.org/wiki/Logic>

20 https://en.wikipedia.org/wiki/Philosophy_of_mind

21 <https://en.wikipedia.org/wiki/Metaphilosophy>

22 <https://en.wikipedia.org/wiki/Metaphysics>

23 https://en.wikipedia.org/wiki/Political_philosophy

24 https://en.wikipedia.org/wiki/Philosophy_of_religion

25 https://en.wikipedia.org/wiki/Philosophy_of_science

26 https://en.wikipedia.org/wiki/Social_philosophy

27 https://en.wikipedia.org/wiki/Category:Philosophy_by_period

28 https://en.wikipedia.org/wiki/Ancient_philosophy

29 https://en.wikipedia.org/wiki/Medieval_philosophy

30 https://en.wikipedia.org/wiki/Modern_philosophy

31 https://en.wikipedia.org/wiki/Contemporary_philosophy

- Traditions³²
 - Analytic³³
 - Neopositivism³⁴
 - Ordinary language³⁵
 - Aristotelian³⁶
 - Buddhist³⁷
 - Abhidharma³⁸
 - Madhyamaka³⁹
 - Pramāṇavāda⁴⁰
 - Yogacara⁴¹
 - Cārvāka⁴²
 - Christian⁴³
 - Augustinian⁴⁴
 - Humanist⁴⁵
 - Scotist⁴⁶
 - Thomist⁴⁷
 - Occamist⁴⁸
 - Confucian⁴⁹
 - Neo-Confucianism⁵⁰
 - New Confucianism⁵¹
 - Continental⁵²
 - Existentialism⁵³
 - Phenomenology⁵⁴
 - Hegelian⁵⁵
 - Hindu⁵⁶
 - Mīmāṃsā⁵⁷
 - Nyāya⁵⁸-Vaiśeṣika⁵⁹
 - Sāṃkhya⁶⁰
 - Yoga⁶¹
 - Vedanta⁶²
 - Kashmir Shaivism⁶³
 - Navya-Nyāya⁶⁴
 - Neo-Vedanta⁶⁵
 - Integral yoga⁶⁶
 - Islamic⁶⁷
 - Ash'arism⁶⁸
 - Early Islamic⁶⁹
 - Averroist⁷⁰
 - Avicennist⁷¹
 - Illuminationist⁷²
 - Ismā‘īlism⁷³
 - Sufi⁷⁴
 - Jain⁷⁵
 - Jewish⁷⁶
 - Judeo-Islamic⁷⁷
 - Kantian⁷⁸
 - Legalism⁷⁹

³² https://en.wikipedia.org/wiki/Category:Philosophical_traditions

● Neoplatonist⁸¹

- Pragmatism

- Skepticism⁸²

- Taoist philosophy⁸³

Traditions by region

- African⁸⁴

- Eastern⁸⁵
 - Chinese⁸⁶
 - Indian⁸⁷

● Middle Eastern⁸⁸

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33 https://en.wikipedia.org/wiki/Analytic_philosophy
34 https://en.wikipedia.org/wiki/Logical_positivism
35 https://en.wikipedia.org/wiki/Ordinary_language_philosophy
36 https://en.wikipedia.org/wiki/Aristotelianism
37 https://en.wikipedia.org/wiki/Buddhist_philosophy
38 https://en.wikipedia.org/wiki/Abhidharma
39 https://en.wikipedia.org/wiki/Madhyamaka
40 https://en.wikipedia.org/wiki/Buddhist_logico-epistemology
41 https://en.wikipedia.org/wiki/Yogacara
42 https://en.wikipedia.org/wiki/Charvaka
43 https://en.wikipedia.org/wiki/Christian_philosophy
44 https://en.wikipedia.org/wiki/Augustinianism
45 https://en.wikipedia.org/wiki/Christian_humanism
46 https://en.wikipedia.org/wiki/Scotism
47 https://en.wikipedia.org/wiki/Thomism
48 https://en.wikipedia.org/wiki/Occamism
49 https://en.wikipedia.org/wiki/Confucianism
50 https://en.wikipedia.org/wiki/Neo-Confucianism
51 https://en.wikipedia.org/wiki/New_Confucianism
52 https://en.wikipedia.org/wiki/Continental_philosophy
53 https://en.wikipedia.org/wiki/Existentialism
54 https://en.wikipedia.org/wiki/Phenomenology_(philosophy)
55 https://en.wikipedia.org/wiki/Hegelianism
56 https://en.wikipedia.org/wiki/Hindu_philosophy
57 https://en.wikipedia.org/wiki/M%C4%ABm%C4%81%E1%B9%83s%C4%81
58 https://en.wikipedia.org/wiki/Nyaya
59 https://en.wikipedia.org/wiki/Vaisheshika
60 https://en.wikipedia.org/wiki/Samkhya
61 https://en.wikipedia.org/wiki/Yoga
62 https://en.wikipedia.org/wiki/Vedanta
63 https://en.wikipedia.org/wiki/Kashmir_Shaivism
64 https://en.wikipedia.org/wiki/Navya-Ny%C4%81ya
65 https://en.wikipedia.org/wiki/Neo-Vedanta
66 https://en.wikipedia.org/wiki/Integral_yoga
67 https://en.wikipedia.org/wiki/Islamic_philosophy
68 https://en.wikipedia.org/wiki/Ash%27ari
69 https://en.wikipedia.org/wiki/Early_Islamic_philosophy
70 https://en.wikipedia.org/wiki/Averroism
71 https://en.wikipedia.org/wiki/Avicennism
72 https://en.wikipedia.org/wiki/Illuminationism
73 https://en.wikipedia.org/wiki/Isma%27ilism
74 https://en.wikipedia.org/wiki/Sufi_philosophy
75 https://en.wikipedia.org/wiki/Jain_philosophy
76 https://en.wikipedia.org/wiki/Jewish_philosophy
77 https://en.wikipedia.org/wiki/Judeo-Islamic_philosoplies_(800%E2%80%931400)
78 https://en.wikipedia.org/wiki/Kantianism
79 https://en.wikipedia.org/wiki/Legalism_(Chinese_philosophy)
80 https://en.wikipedia.org/wiki/Platonism
81 https://en.wikipedia.org/wiki/Neoplatonism
82 https://en.wikipedia.org/wiki/Philosophical_skepticism
83 https://en.wikipedia.org/wiki/Taoist_philosophy
84 https://en.wikipedia.org/wiki/African_philosophy
85 https://en.wikipedia.org/wiki/Eastern_philosophy
```

Literature⁹²

- Aesthetics⁹³
- Epistemology⁹⁴
- Ethics⁹⁵
- Logic⁹⁶
- Metaphysics⁹⁷
- Political philosophy⁹⁸

Philosophers⁹⁹

- Aestheticians¹⁰⁰
- Epistemologists¹⁰¹
- Ethicists¹⁰²
- Logicians¹⁰³
- Metaphysicians¹⁰⁴
- Social and political philosophers¹⁰⁵
- Women in philosophy¹⁰⁶

-
- 86 https://en.wikipedia.org/wiki/Chinese_philosophy
87 https://en.wikipedia.org/wiki/Indian_philosophy
88 https://en.wikipedia.org/wiki/Middle_Eastern_philosophy
89 https://en.wikipedia.org/wiki/Ancient_Egyptian_philosophy
90 https://en.wikipedia.org/wiki/Iranian_philosophy
91 https://en.wikipedia.org/wiki/Western_philosophy
92 https://en.wikipedia.org/wiki/Category:Philosophical_literature
93 https://en.wikipedia.org/wiki/Category:Aesthetics_literature
94 https://en.wikipedia.org/wiki/Category:Epistemology_literature
95 https://en.wikipedia.org/wiki/Category:Ethics_literature
96 https://en.wikipedia.org/wiki/Category:Logic_literature
97 https://en.wikipedia.org/wiki/Category:Metaphysics_literature
98 https://en.wikipedia.org/wiki/Category:Political_philosophy_literature
99 <https://en.wikipedia.org/wiki/Category:Philosophers>
100 https://en.wikipedia.org/wiki/List_of_aestheticians
101 https://en.wikipedia.org/wiki/List_of_epistemologists
102 https://en.wikipedia.org/wiki/List_of_ethicists
103 https://en.wikipedia.org/wiki/List_of_logicians
104 https://en.wikipedia.org/wiki/List_of_metaphysicians
105 https://en.wikipedia.org/wiki/Index_of_sociopolitical_thinkers
106 https://en.wikipedia.org/wiki/Women_in_philosophy

Lists¹⁰⁷

- Index¹⁰⁸
- Outline¹⁰⁹
- Years¹¹⁰
- Problems¹¹¹
- Publications¹¹²
- Theories¹¹³
- Glossary¹¹⁴
- Philosophers¹¹⁵



Philosophy portal¹¹⁶

- v¹¹⁷

- t¹¹⁸

- e¹¹⁹

Part of a series¹²⁰ on

Research¹²¹

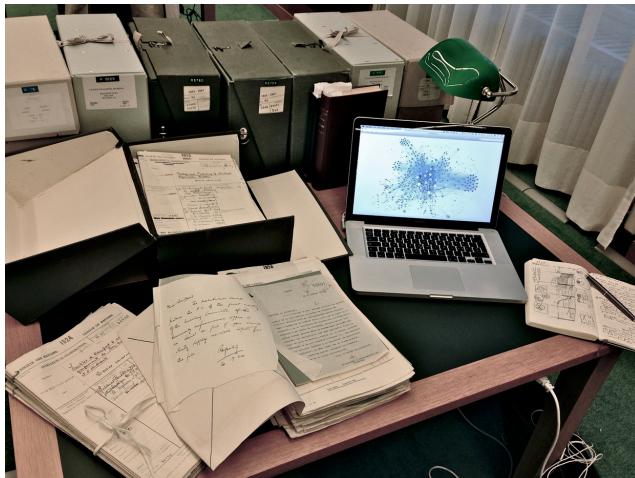


Figure 2

107 https://en.wikipedia.org/wiki/Category:Philosophy-related_lists

108 https://en.wikipedia.org/wiki/Index_of_philosophy

109 https://en.wikipedia.org/wiki/Outline_of_philosophy

110 https://en.wikipedia.org/wiki/List_of_years_in_philosophy

111 https://en.wikipedia.org/wiki/List_of_unsolved_problems_in_philosophy

112 https://en.wikipedia.org/wiki/List_of_important_publications_in_philosophy

113 https://en.wikipedia.org/wiki/List_of_philosophies

114 https://en.wikipedia.org/wiki/Glossary_of_philosophy

115 https://en.wikipedia.org/wiki/Lists_of_philosophs

116 <https://en.wikipedia.org/wiki/Portal:Philosophy>

117 https://en.wikipedia.org/wiki/Template:Philosophy_sidebar

118 https://en.wikipedia.org/wiki/Template_talk:Philosophy_sidebar

119 https://en.wikipedia.org/w/index.php?title=Template:Philosophy_sidebar&action=edit

120 <https://en.wikipedia.org/wiki/Category:Research>

121 <https://en.wikipedia.org/wiki/Research>

List of academic fields¹²²

- Applied sciences¹²³
 - R & D¹²⁴
- Formal sciences¹²⁵
- Humanities¹²⁶
- Natural sciences¹²⁷
- Professions¹²⁸
- Social sciences¹²⁹

Research design¹³⁰

- Research proposal¹³¹
- Research question¹³²
- Writing¹³³
 - Argument¹³⁴
 - Referencing¹³⁵

Philosophy¹³⁶

- Constructivism¹³⁷
- Empiricism¹³⁸
- Positivism¹³⁹ / Antipositivism¹⁴⁰ / Postpositivism¹⁴¹
- Realism
 - Critical realism¹⁴²
 - Subtle realism¹⁴³

122 https://en.wikipedia.org/wiki/List_of_academic_fields

123 https://en.wikipedia.org/wiki/Applied_science

124 https://en.wikipedia.org/wiki/Research_and_development

125 https://en.wikipedia.org/wiki/Formal_science

126 <https://en.wikipedia.org/wiki/Humanities>

127 https://en.wikipedia.org/wiki/Natural_science

128 <https://en.wikipedia.org/wiki/Profession>

129 https://en.wikipedia.org/wiki/Social_science

130 https://en.wikipedia.org/wiki/Research_design

131 https://en.wikipedia.org/wiki/Research_proposal

132 https://en.wikipedia.org/wiki/Research_question

133 https://en.wikipedia.org/wiki/Academic_writing

134 <https://en.wikipedia.org/wiki/Argument>

135 <https://en.wikipedia.org/wiki/Citation>

136 https://en.wikipedia.org/wiki/List_of_schools_of_philosophy

137 [https://en.wikipedia.org/wiki/Constructivism_\(philosophy_of_science\)](https://en.wikipedia.org/wiki/Constructivism_(philosophy_of_science))

138 <https://en.wikipedia.org/wiki/Empiricism>

139 <https://en.wikipedia.org/wiki/Positivism>

140 <https://en.wikipedia.org/wiki/Antipositivism>

141 <https://en.wikipedia.org/wiki/Postpositivism>

142 [https://en.wikipedia.org/wiki/Critical_realism_\(philosophy_of_the_social_sciences\)](https://en.wikipedia.org/wiki/Critical_realism_(philosophy_of_the_social_sciences))

143 https://en.wikipedia.org/wiki/Subtle_realism

Research strategy

- Interdisciplinary¹⁴⁴
- Multimethodology¹⁴⁵
- Qualitative¹⁴⁶
- Quantitative¹⁴⁷

Methodology¹⁴⁸

- Action research¹⁴⁹
- Art methodology¹⁵⁰
- Critical theory¹⁵¹
- Feminism¹⁵²
- Grounded theory¹⁵³
- Hermeneutics¹⁵⁴
- Historiography¹⁵⁵
- Narrative inquiry¹⁵⁶
- Phenomenology¹⁵⁷
- Pragmatism
- Scientific method¹⁵⁸

144 <https://en.wikipedia.org/wiki/Interdisciplinarity>

145 <https://en.wikipedia.org/wiki/Multimethodology>

146 https://en.wikipedia.org/wiki/Qualitative_research

147 https://en.wikipedia.org/wiki/Quantitative_research

148 <https://en.wikipedia.org/wiki/Methodology>

149 https://en.wikipedia.org/wiki/Action_research

150 https://en.wikipedia.org/wiki/Art_methodology

151 https://en.wikipedia.org/wiki/Critical_theory

152 <https://en.wikipedia.org/wiki/Feminism>

153 https://en.wikipedia.org/wiki/Grounded_theory

154 <https://en.wikipedia.org/wiki/Hermeneutics>

155 <https://en.wikipedia.org/wiki/Historiography>

156 https://en.wikipedia.org/wiki/Narrative_inquiry

157 [https://en.wikipedia.org/wiki/Phenomenology_\(sociology\)](https://en.wikipedia.org/wiki/Phenomenology_(sociology))

158 https://en.wikipedia.org/wiki/Scientific_method

Methods

- Case study¹⁵⁹
- Content analysis¹⁶⁰
- Descriptive statistics¹⁶¹
- Discourse analysis¹⁶²
- Ethnography¹⁶³
- Experiment¹⁶⁴
 - Field experiment¹⁶⁵
 - Social experiment¹⁶⁶
 - Quasi-experiment¹⁶⁷
- Field research¹⁶⁸
- Historical method¹⁶⁹
- Inferential statistics¹⁷⁰
- Interviews¹⁷¹
- Mapping¹⁷²
 - Cultural mapping¹⁷³
- Phenomenography¹⁷⁴
- Secondary research¹⁷⁵
 - Bibliometrics¹⁷⁶
 - Literature review¹⁷⁷
 - Meta-analysis¹⁷⁸
 - Scoping review¹⁷⁹
 - Systematic review¹⁸⁰
- Scientific modelling¹⁸¹
 - Simulation¹⁸²
- Survey¹⁸³

159 https://en.wikipedia.org/wiki/Case_study
160 https://en.wikipedia.org/wiki/Content_analysis
161 https://en.wikipedia.org/wiki/Descriptive_statistics
162 https://en.wikipedia.org/wiki/Discourse_analysis
163 <https://en.wikipedia.org/wiki/Ethnography>
164 <https://en.wikipedia.org/wiki/Experiment>
165 https://en.wikipedia.org/wiki/Field_experiment
166 https://en.wikipedia.org/wiki/Social_experiment
167 <https://en.wikipedia.org/wiki/Quasi-experiment>
168 https://en.wikipedia.org/wiki/Field_research
169 https://en.wikipedia.org/wiki/Historical_method
170 https://en.wikipedia.org/wiki/Statistical_inference
171 <https://en.wikipedia.org/wiki/Interview>
172 <https://en.wikipedia.org/wiki/Cartography>
173 https://en.wikipedia.org/wiki/Cultural_mapping
174 <https://en.wikipedia.org/wiki/Phenomenography>
175 https://en.wikipedia.org/wiki/Secondary_research
176 <https://en.wikipedia.org/wiki/Bibliometrics>
177 https://en.wikipedia.org/wiki/Literature_review
178 <https://en.wikipedia.org/wiki/Meta-analysis>
179 https://en.wikipedia.org/wiki/Scoping_review
180 https://en.wikipedia.org/wiki/Systematic_review
181 https://en.wikipedia.org/wiki/Scientific_modelling
182 <https://en.wikipedia.org/wiki/Simulation>
183 [https://en.wikipedia.org/wiki/Survey_\(human_research\)](https://en.wikipedia.org/wiki/Survey_(human_research))

Tools and software

- Argument technology¹⁸⁴
- Geographic information system software¹⁸⁵
- Library and information science software¹⁸⁶
 - Bibliometrics¹⁸⁷
 - Reference management¹⁸⁸
- Science software¹⁸⁹
 - Qualitative data analysis¹⁹⁰
 - Simulation¹⁹¹
 - Statistics¹⁹²

Philosophy portal¹⁹³

- v¹⁹⁴
- t¹⁹⁵
- e¹⁹⁶

Pragmatism is a philosophical tradition¹⁹⁷ that considers words and thought as tools¹⁹⁸ and instruments for prediction¹⁹⁹, problem solving²⁰⁰, and action²⁰¹, and rejects the idea that the function of thought is to describe, represent, or mirror reality. Pragmatists contend that most philosophical topics—such as the nature of knowledge, language, concepts, meaning, belief, and science—are all best viewed in terms of their practical uses and successes.

Pragmatism began in the United States in the 1870s. Its origins are often attributed to the philosophers Charles Sanders Peirce²⁰², William James²⁰³, and John Dewey²⁰⁴. In 1878, Peirce described it in his pragmatic maxim²⁰⁵: "Consider the practical effects of the objects of your conception. Then, your conception of those effects is the whole of your conception of the object."^[1]

184 https://en.wikipedia.org/wiki/Category:Argument_technology

185 https://en.wikipedia.org/wiki/Category:GIS_software

186 https://en.wikipedia.org/wiki/Category:Library_and_information_science_software

187 https://en.wikipedia.org/wiki/Category:Bibliometrics_software

188 https://en.wikipedia.org/wiki/Category:Reference_management_software

189 https://en.wikipedia.org/wiki/Category:Science_software

190 https://en.wikipedia.org/wiki/Category:QDA_software

191 https://en.wikipedia.org/wiki/Category:Scientific_simulation_software

192 https://en.wikipedia.org/wiki/Category:Statistical_software

193 <https://en.wikipedia.org/wiki/Portal:Philosophy>

194 https://en.wikipedia.org/wiki/Template:Research_sidebar

195 https://en.wikipedia.org/wiki/Template_talk:Research_sidebar

196 https://en.wikipedia.org/w/index.php?title=Template:Research_sidebar&action=edit

197 https://en.wikipedia.org/wiki/Philosophical_tradition

198 <https://en.wikipedia.org/wiki/Tool>

199 <https://en.wikipedia.org/wiki/Prediction>

200 https://en.wikipedia.org/wiki/Problem_solving

201 [https://en.wikipedia.org/wiki/Action_\(philosophy\)](https://en.wikipedia.org/wiki/Action_(philosophy))

202 https://en.wikipedia.org/wiki/Charles_Sanders_Peirce

203 https://en.wikipedia.org/wiki/William_James

204 https://en.wikipedia.org/wiki/John_Dewey

205 https://en.wikipedia.org/wiki/Pragmatic_maxim

1.1 Origins



Figure 3 Charles Peirce: the American polymath who first identified pragmatism

Pragmatism as a philosophical movement began in the United States around 1870.^[2] Charles Sanders Peirce²⁰⁶ (and his pragmatic maxim) is given credit for its development,^[3] along with later 20th-century contributors, William James²⁰⁷ and John Dewey²⁰⁸.^[4] Its direction

206 https://en.wikipedia.org/wiki/Charles_Sanders_Peirce

207 https://en.wikipedia.org/wiki/William_James

208 https://en.wikipedia.org/wiki/John_Dewey

was determined by The Metaphysical Club²⁰⁹ members Charles Sanders Peirce, William James, and Chauncey Wright²¹⁰ as well as John Dewey and George Herbert Mead²¹¹.

The first use in print of the name *pragmatism* was in 1898 by James, who credited Peirce with coining the term²¹² during the early 1870s.^[5] James regarded Peirce's "Illustrations of the Logic of Science" series (including "The Fixation of Belief"²¹³ (1877), and especially "How to Make Our Ideas Clear"²¹⁴ (1878)) as the foundation of pragmatism.^{[6][7]} Peirce in turn wrote in 1906^[8] that Nicholas St. John Green²¹⁵ had been instrumental by emphasizing the importance of applying Alexander Bain²¹⁶'s definition of belief, which was "that upon which a man is prepared to act". Peirce wrote that "from this definition, pragmatism is scarce more than a corollary; so that I am disposed to think of him as the grandfather of pragmatism". John Shook has said, "Chauncey Wright also deserves considerable credit, for as both Peirce and James recall, it was Wright who demanded a phenomenalist²¹⁷ and fallibilist²¹⁸ empiricism²¹⁹ as an alternative to rationalistic speculation."^[9]

Peirce developed the idea that inquiry depends on real doubt, not mere verbal or hyperbolic doubt²²⁰,^[10] and said that, in order to understand a conception in a fruitful way, "Consider the practical effects of the objects of your conception. Then, your conception of those effects is the whole of your conception of the object",^[11] which he later called the pragmatic maxim²²¹. It equates any conception of an object to the general extent of the conceivable implications for informed practice of that object's effects. This is the heart of his pragmatism as a method of experimental mental reflection arriving at conceptions in terms of conceivable confirmatory and disconfirmatory circumstances—a method hospitable to the generation of explanatory hypotheses, and conducive to the employment and improvement of verification. Typical of Peirce is his concern with inference to explanatory hypotheses as outside the usual foundational alternative between deductivist rationalism and inductivist empiricism, although he was a mathematical logician²²² and a founder of statistics²²³.

Peirce lectured and further wrote on pragmatism to make clear his own interpretation. While framing a conception's meaning in terms of conceivable tests, Peirce emphasized that, since a conception is general, its meaning, its intellectual purport, equates to its acceptance's implications for general practice, rather than to any definite set of real effects (or test results); a conception's clarified meaning points toward its conceivable verifications, but the outcomes are not meanings, but individual upshots. Peirce in 1905 coined the new name pragmaticism²²⁴ "for the precise purpose of expressing the original definition",

209 https://en.wikipedia.org/wiki/The_Metaphysical_Club

210 https://en.wikipedia.org/wiki/Chauncey_Wright

211 https://en.wikipedia.org/wiki/George_Herbert_Mead

212 <https://en.wikipedia.org/wiki/Neologism>

213 https://en.wikisource.org/wiki/The_Fixation_of_Belief

214 https://en.wikisource.org/wiki/How_to_Make_Our_Ideas_Clear

215 https://en.wikipedia.org/wiki/Nicholas_St._John_Green

216 [https://en.wikipedia.org/wiki/Alexander_Bain_\(philosopher\)](https://en.wikipedia.org/wiki/Alexander_Bain_(philosopher))

217 <https://en.wikipedia.org/wiki/Phenomenalist>

218 <https://en.wikipedia.org/wiki/Fallibilism>

219 <https://en.wikipedia.org/wiki/Empiricism>

220 https://en.wikipedia.org/wiki/Hyperbolic_doubt

221 https://en.wikipedia.org/wiki/Pragmatic_maxim

222 https://en.wikipedia.org/wiki/Charles_Sanders_Peirce#Mathematics

223 https://en.wikipedia.org/wiki/Founders_of_statistics

224 <https://en.wikipedia.org/wiki/Pragmaticism>

[11] saying that "all went happily" with James's and F. C. S. Schiller²²⁵'s variant uses of the old name "pragmatism" and that he nonetheless coined the new name because of the old name's growing use in "literary journals, where it gets abused". Yet in a 1906 manuscript, he cited as causes his differences with James and Schiller.^[12] and, in a 1908 publication,^[13] his differences with James as well as literary author Giovanni Papini²²⁶. Peirce in any case regarded his views that truth is immutable and infinity is real, as being opposed by the other pragmatists, but he remained allied with them on other issues.^[13]

Pragmatism enjoyed renewed attention after Willard Van Orman Quine²²⁷ and Wilfrid Sellars²²⁸ used a revised pragmatism to criticize logical positivism²²⁹ in the 1960s. Inspired by the work of Quine and Sellars, a brand of pragmatism known sometimes as neopragmatism²³⁰ gained influence through Richard Rorty²³¹, the most influential of the late 20th century pragmatists along with Hilary Putnam²³² and Robert Brandom²³³. Contemporary pragmatism may be broadly divided into a strict analytic tradition²³⁴ and a "neo-classical" pragmatism (such as Susan Haack²³⁵) that adheres to the work of Peirce, James, and Dewey.

1.2 Core tenets

A few of the various but often interrelated positions characteristic of philosophers working from a pragmatist approach include:

- Epistemology²³⁶ (justification): a coherentist²³⁷ theory of justification that rejects the claim that all knowledge and justified belief rest ultimately on a foundation of noninferential knowledge or justified belief. Coherentists hold that justification is solely a function of some relationship between beliefs, none of which are privileged beliefs in the way maintained by foundationalist²³⁸ theories of justification.
- Epistemology²³⁹ (truth): a deflationary²⁴⁰ or pragmatic²⁴¹ theory of truth; the former is the epistemological claim that assertions that predicate truth of a statement do not attribute a property called truth to such a statement while the latter is the epistemological claim that assertions that predicate truth of a statement attribute the property of useful-to-believe to such a statement.

225 https://en.wikipedia.org/wiki/F._C._S._Schiller

226 https://en.wikipedia.org/wiki/Giovanni_Papini

227 https://en.wikipedia.org/wiki/Willard_Van_Orman_Quine

228 https://en.wikipedia.org/wiki/Wilfrid_Sellars

229 https://en.wikipedia.org/wiki/Logical_positivism

230 <https://en.wikipedia.org/wiki/Neopragmatism>

231 https://en.wikipedia.org/wiki/Richard_Rorty

232 https://en.wikipedia.org/wiki/Hilary_Putnam

233 https://en.wikipedia.org/wiki/Robert_Brandom

234 https://en.wikipedia.org/wiki/Analytic_philosophy

235 https://en.wikipedia.org/wiki/Susan_Haack

236 <https://en.wikipedia.org/wiki/Epistemology>

237 <https://en.wikipedia.org/wiki/Coherentism>

238 <https://en.wikipedia.org/wiki/Foundationalism>

239 <https://en.wikipedia.org/wiki/Epistemology>

240 https://en.wikipedia.org/wiki/Deflationary_theory_of_truth

241 https://en.wikipedia.org/wiki/Pragmatic_theory_of_truth

- Metaphysics²⁴²: a pluralist²⁴³ view that there is more than one sound way to conceptualize the world and its content.
- Philosophy of science²⁴⁴: an instrumentalist²⁴⁵ and scientific anti-realist²⁴⁶ view that a scientific concept or theory should be evaluated by how effectively it explains and predicts phenomena, as opposed to how accurately it describes objective reality.
- Philosophy of language²⁴⁷: an anti-representationalist²⁴⁸ view that rejects analyzing the semantic meaning²⁴⁹ of propositions, mental states, and statements in terms of a correspondence or representational relationship and instead analyzes semantic meaning in terms of notions like dispositions to action, inferential relationships, and/or functional roles (e.g. behaviorism²⁵⁰ and inferentialism²⁵¹). Not to be confused with pragmatics²⁵², a sub-field of linguistics²⁵³ with no relation to philosophical pragmatism.
- Additionally, forms of empiricism²⁵⁴, fallibilism²⁵⁵, verificationism²⁵⁶, and a Quinean naturalist²⁵⁷ metaphilosophy are all commonly elements of pragmatist philosophies. Many pragmatists are epistemological relativists²⁵⁸ and see this to be an important facet of their pragmatism (e.g. Joseph Margolis²⁵⁹), but this is controversial and other pragmatists argue such relativism to be seriously misguided (e.g. Hilary Putnam²⁶⁰, Susan Haack²⁶¹).

1.2.1 Anti-reification of concepts and theories

Dewey in *The Quest for Certainty* criticized what he called "the philosophical fallacy": Philosophers often take categories (such as the mental and the physical) for granted because they don't realize that these are nominal²⁶² concepts that were invented to help solve specific problems.^[14] This causes metaphysical and conceptual confusion. Various examples are the "ultimate Being"²⁶³ of Hegelian²⁶⁴ philosophers, the belief in a "realm of value"²⁶⁵, the idea that logic, because it is an abstraction from concrete thought, has nothing to do with the action of concrete thinking.

242 <https://en.wikipedia.org/wiki/Metaphysics>

243 [https://en.wikipedia.org/wiki/Pluralism_\(philosophy\)](https://en.wikipedia.org/wiki/Pluralism_(philosophy))

244 https://en.wikipedia.org/wiki/Philosophy_of_science

245 <https://en.wikipedia.org/wiki/Instrumentalism>

246 https://en.wikipedia.org/wiki/Scientific_anti-realism

247 https://en.wikipedia.org/wiki/Philosophy_of_language

248 <https://en.wikipedia.org/wiki/Representationalist>

249 [https://en.wikipedia.org/wiki/Semantics_\(natural_language\)](https://en.wikipedia.org/wiki/Semantics_(natural_language))

250 https://en.wikipedia.org/wiki/Behaviorism#Behaviorism_in_philosophy

251 <https://en.wikipedia.org/wiki/Inferentialism>

252 <https://en.wikipedia.org/wiki/Pragmatics>

253 <https://en.wikipedia.org/wiki/Linguistics>

254 <https://en.wikipedia.org/wiki/Empiricism>

255 <https://en.wikipedia.org/wiki/Fallibilism>

256 <https://en.wikipedia.org/wiki/Verificationism>

257 https://en.wikipedia.org/wiki/Naturalized_epistemology

258 https://en.wikipedia.org/wiki/Factual_relativism

259 https://en.wikipedia.org/wiki/Joseph_Margolis

260 https://en.wikipedia.org/wiki/Hilary_Putnam

261 https://en.wikipedia.org/wiki/Susan_Haack

262 <https://en.wikipedia.org/wiki/Nominalism>

263 [https://en.wikipedia.org/wiki/Absolute_\(philosophy\)](https://en.wikipedia.org/wiki/Absolute_(philosophy))

264 <https://en.wikipedia.org/wiki/Hegelian>

265 https://en.wikipedia.org/wiki/Absolute_intrinsic_value_denial

David L. Hildebrand summarized the problem: "Perceptual inattention to the specific functions comprising inquiry led realists and idealists alike to formulate accounts of knowledge that project the products of extensive abstraction back onto experience."^{[14]:40}

1.2.2 Naturalism and anti-Cartesianism

From the outset, pragmatists wanted to reform philosophy and bring it more in line with the scientific method as they understood it. They argued that idealist and realist philosophy had a tendency to present human knowledge as something beyond what science could grasp. They held that these philosophies then resorted either to a phenomenology inspired by Kant or to correspondence theories of knowledge and truth²⁶⁶.^[citation needed²⁶⁷] Pragmatists criticized the former for its a priorism²⁶⁸, and the latter because it takes correspondence²⁶⁹ as an unanalyzable fact. Pragmatism instead tries to explain the relation between knower and known.

In 1868,^[15] C.S. Peirce argued that there is no power of intuition in the sense of a cognition unconditioned by inference, and no power of introspection, intuitive or otherwise, and that awareness of an internal world is by hypothetical inference from external facts. Introspection and intuition were staple philosophical tools at least since Descartes. He argued that there is no absolutely first cognition in a cognitive process; such a process has its beginning but can always be analyzed into finer cognitive stages. That which we call introspection does not give privileged access to knowledge about the mind—the self is a concept that is derived from our interaction with the external world and not the other way around.^[16] At the same time he held persistently that pragmatism and epistemology in general could not be derived from principles of psychology understood as a special science:^[17] what we do think is too different from what we should think; in his "Illustrations of the Logic of Science²⁷⁰" series, Peirce formulated both pragmatism and principles of statistics as aspects of scientific method in general.^[18] This is an important point of disagreement with most other pragmatists, who advocate a more thorough naturalism and psychologism.

Richard Rorty expanded on these and other arguments in *Philosophy and the Mirror of Nature*²⁷¹ in which he criticized attempts by many philosophers of science to carve out a space for epistemology that is entirely unrelated to—and sometimes thought of as superior to—the empirical sciences. W.V. Quine, instrumental in bringing naturalized epistemology²⁷² back into favor with his essay "Epistemology Naturalized",^[19] also criticized "traditional" epistemology and its "Cartesian dream" of absolute certainty. The dream, he argued, was impossible in practice as well as misguided in theory, because it separates epistemology from scientific inquiry.

266 https://en.wikipedia.org/wiki/Correspondence_theory_of_truth

268 https://en.wikipedia.org/wiki/A_priori_and_a_posteriori

269 https://en.wikipedia.org/wiki/Correspondence_theory_of_truth

270 https://en.wikipedia.org/wiki/Charles_Sanders_Peirce_bibliography#illus

271 https://en.wikipedia.org/wiki/Philosophy_and_the_Mirror_of_Nature

272 https://en.wikipedia.org/wiki/Naturalized_epistemology

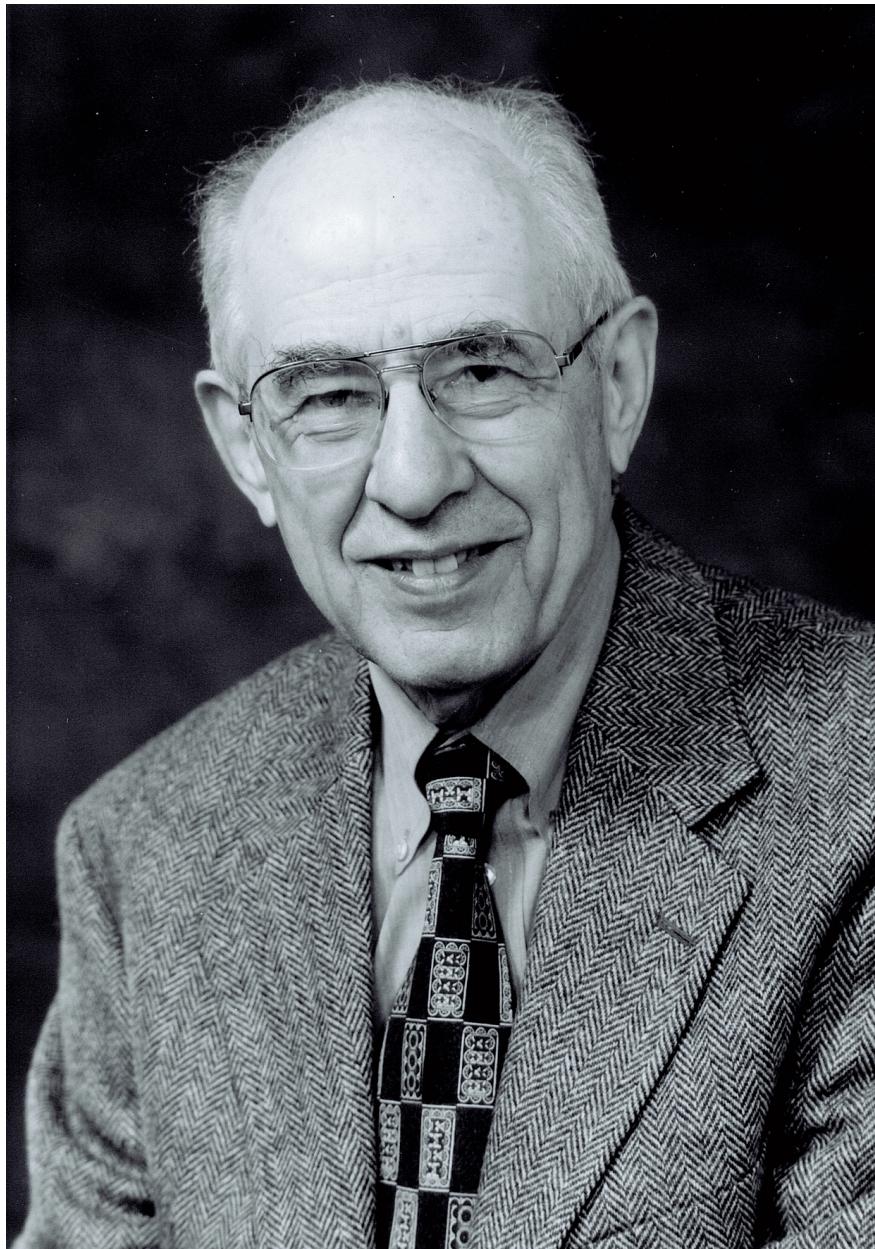


Figure 4 Hilary Putnam asserts that the combination of antiskepticism and fallibilism is a central feature of pragmatism.

1.2.3 Reconciliation of anti-skepticism and fallibilism

Hilary Putnam²⁷³ has suggested that the reconciliation of anti-skepticism^[20] and fallibilism²⁷⁴ is the central goal of American pragmatism.^[citation needed²⁷⁵] Although all human knowledge is partial, with no ability to take a "God's-eye-view", this does not necessitate a glob-

273 https://en.wikipedia.org/wiki/Hilary_Putnam

274 <https://en.wikipedia.org/wiki/Fallibilism>

alized skeptical attitude, a radical philosophical skepticism²⁷⁶ (as distinguished from that which is called scientific skepticism²⁷⁷). Peirce insisted that (1) in reasoning, there is the presupposition, and at least the hope,^[21] that truth and the real are discoverable and would be discovered, sooner or later but still inevitably, by investigation taken far enough,^[1] and (2) contrary to Descartes' famous and influential methodology in the *Meditations on First Philosophy*²⁷⁸, doubt cannot be feigned or created by verbal fiat to motivate fruitful inquiry, and much less can philosophy begin in universal doubt.^[22] Doubt, like belief, requires justification. Genuine doubt irritates and inhibits, in the sense that belief is that upon which one is prepared to act.^[1] It arises from confrontation with some specific recalcitrant matter of fact (which Dewey called a "situation"), which unsettles our belief in some specific proposition. Inquiry is then the rationally self-controlled process of attempting to return to a settled state of belief about the matter. Note that anti-skepticism is a reaction to modern academic skepticism in the wake of Descartes. The pragmatist insistence that all knowledge is tentative is quite congenial to the older skeptical tradition.

1.2.4 Theory of truth and epistemology

Main article: Pragmatic theory of truth²⁷⁹ Pragmatism was not the first to apply evolution to theories of knowledge: Schopenhauer²⁸⁰ advocated a biological idealism as what's useful to an organism to believe might differ wildly from what is true. Here knowledge and action are portrayed as two separate spheres with an absolute or transcendental²⁸¹ truth above and beyond any sort of inquiry organisms used to cope with life. Pragmatism challenges this idealism by providing an "ecological" account of knowledge: inquiry is how organisms can get a grip on their environment. *Real* and *true* are functional labels in inquiry and cannot be understood outside of this context. It is not *realist* in a traditionally robust sense of realism (what Hilary Putnam²⁸² later called metaphysical realism²⁸³), but it is realist²⁸⁴ in how it acknowledges an external world which must be dealt with.^[citation needed²⁸⁵]

Many of James' best-turned phrases—"truth's cash value"^[23] and "the true is only the expedient in our way of thinking"^[24]—were taken out of context and caricatured in contemporary literature as representing the view where any idea with practical utility is true. William James wrote:

It is high time to urge the use of a little imagination in philosophy. The unwillingness of some of our critics to read any but the silliest of possible meanings into our statements is as discreditable to their imaginations as anything I know in recent philosophic history. Schiller says the truth is that which "works." Thereupon he is treated as one who limits verification to the lowest material utilities. Dewey says truth is what gives "satisfaction"! He is treated as one who believes in calling everything true which, if it were true, would be pleasant.^[25]

276 https://en.wikipedia.org/wiki/Philosophical_skepticism

277 https://en.wikipedia.org/wiki/Scientific_skepticism

278 https://en.wikipedia.org/wiki/Meditations_on_First_Philosophy

279 https://en.wikipedia.org/wiki/Pragmatic_theory_of_truth

280 <https://en.wikipedia.org/wiki/Schopenhauer>

281 https://en.wikipedia.org/wiki/Transcendental_idealism

282 https://en.wikipedia.org/wiki/Hilary_Putnam

283 https://en.wikipedia.org/wiki/Metaphysical_realism

284 https://en.wikipedia.org/wiki/Philosophical_realism

In reality, James asserts, the theory is a great deal more subtle.^[nb 1]

The role of belief in representing reality is widely debated in pragmatism. Is a belief valid when it represents reality? "Copying is one (and only one) genuine mode of knowing".^[26] Are beliefs dispositions which qualify as true or false depending on how helpful they prove in inquiry and in action? Is it only in the struggle of intelligent organisms with the surrounding environment that beliefs acquire meaning? Does a belief only become true when it succeeds in this struggle? In James's pragmatism nothing practical or useful is held to be necessarily true²⁸⁶ nor is anything which helps to survive merely in the short term. For example, to believe my cheating spouse is faithful may help me feel better now, but it is certainly not useful from a more long-term perspective because it doesn't accord with the facts (and is therefore not true).

1.3 In other fields

While pragmatism started simply as a criterion of meaning, it quickly expanded to become a full-fledged epistemology with wide-ranging implications for the entire philosophical field. Pragmatists who work in these fields share a common inspiration, but their work is diverse and there are no received views.

1.3.1 Philosophy of science

In the philosophy of science, instrumentalism²⁸⁷ is the view that concepts and theories are merely useful instruments and progress in science cannot be couched in terms of concepts and theories somehow mirroring reality. Instrumentalist philosophers often define scientific progress as nothing more than an improvement in explaining and predicting phenomena. Instrumentalism does not state that truth does not matter, but rather provides a specific answer to the question of what truth and falsity mean and how they function in science.

One of C. I. Lewis²⁸⁸' main arguments in *Mind and the World Order: Outline of a Theory of Knowledge* (1929) was that science does not merely provide a copy of reality but must work with conceptual systems and that those are chosen for pragmatic reasons, that is, because they aid inquiry. Lewis' own development of multiple modal logics²⁸⁹ is a case in point. Lewis is sometimes called a proponent of **conceptual pragmatism** because of this.^[27]

Another development is the cooperation of logical positivism²⁹⁰ and pragmatism in the works of Charles W. Morris²⁹¹ and Rudolf Carnap²⁹². The influence of pragmatism on these writers is mostly limited to the incorporation of the pragmatic maxim²⁹³ into their

286 https://en.wikipedia.org/wiki/Logical_truth

287 <https://en.wikipedia.org/wiki/Instrumentalism>

288 https://en.wikipedia.org/wiki/C._I._Lewis

289 https://en.wikipedia.org/wiki/Modal_logic

290 https://en.wikipedia.org/wiki/Logical_positivism

291 https://en.wikipedia.org/wiki/Charles_W._Morris

292 https://en.wikipedia.org/wiki/Rudolf_Carnap

293 https://en.wikipedia.org/wiki/Pragmatic_maxim

epistemology. Pragmatists with a broader conception of the movement do not often refer to them.

W. V. Quine²⁹⁴'s paper "Two Dogmas of Empiricism"²⁹⁵, published in 1951, is one of the more celebrated papers of 20th-century philosophy in the analytic tradition. The paper is an attack on two central tenets of the logical positivists' philosophy. One is the distinction between analytic statements (tautologies and contradictions) whose truth (or falsehood) is a function of the meanings of the words in the statement ('all bachelors are unmarried'), and synthetic statements, whose truth (or falsehood) is a function of (contingent) states of affairs. The other is reductionism, the theory that each meaningful statement gets its meaning from some logical construction of terms which refers exclusively to immediate experience. Quine's argument brings to mind Peirce's insistence that axioms are not a priori truths but synthetic statements.

1.3.2 Logic

Later in his life Schiller became famous for his attacks on logic in his textbook, *Formal Logic*. By then, Schiller's pragmatism had become the nearest of any of the classical pragmatists to an ordinary language philosophy²⁹⁶. Schiller sought to undermine the very possibility of formal logic, by showing that words only had meaning when used in context. The least famous of Schiller's main works was the constructive sequel to his destructive book *Formal Logic*. In this sequel, *Logic for Use*, Schiller attempted to construct a new logic to replace the formal logic that he had criticized in *Formal Logic*. What he offers is something philosophers would recognize today as a logic covering the context of discovery and the hypothetico-deductive method.

Whereas Schiller dismissed the possibility of formal logic, most pragmatists are critical rather of its pretension to ultimate validity and see logic as one logical tool among others—or perhaps, considering the multitude of formal logics, one set of tools among others. This is the view of C. I. Lewis. C. S. Peirce developed multiple methods for doing formal logic.

Stephen Toulmin²⁹⁷'s *The Uses of Argument* inspired scholars in informal logic and rhetoric studies (although it is an epistemological work).

1.3.3 Metaphysics

James and Dewey were empirical²⁹⁸ thinkers in the most straightforward fashion: experience is the ultimate test and experience is what needs to be explained. They were dissatisfied with ordinary empiricism because, in the tradition dating from Hume, empiricists had a tendency to think of experience as nothing more than individual sensations. To the pragmatists, this went against the spirit of empiricism: we should try to explain all that is given in experience including connections and meaning, instead of explaining them away and positing sense data as the ultimate reality. Radical empiricism²⁹⁹, or Immediate Empiricism in Dewey's words,

294 https://en.wikipedia.org/wiki/W._V._Quine

295 https://en.wikipedia.org/wiki/Two_Dogmas_of_Empiricism

296 https://en.wikipedia.org/wiki/Ordinary_language_philosophy

297 https://en.wikipedia.org/wiki/Stephen_Toulmin

298 <https://en.wikipedia.org/wiki/Empiricism>

299 https://en.wikipedia.org/wiki/Radical_empiricism

wants to give a place to meaning and value instead of explaining them away as subjective additions to a world of whizzing atoms.



Figure 5 The "Chicago Club" including Mead, Dewey, Angell, and Moore. Pragmatism is sometimes called American pragmatism because so many of its proponents were and are Americans.

William James gives an interesting example of this philosophical shortcoming:

[A young graduate] began by saying that he had always taken for granted that when you entered a philosophic classroom you had to open relations with a universe entirely distinct from the one you left behind you in the street. The two were supposed, he said, to have so little to do with each other, that you could not possibly occupy your mind with them at the same time. The world of concrete personal experiences to which the street belongs is multitudinous beyond imagination, tangled, muddy, painful and perplexed. The world to which your philosophy-professor introduces you is simple, clean and noble. The contradictions of real life are absent from it. ... In point of fact it is far less an account of this actual world than a clear addition built upon it ... It is no explanation of our concrete universe^[28]

F. C. S. Schiller³⁰⁰'s first book *Riddles of the Sphinx* was published before he became aware of the growing pragmatist movement taking place in America. In it, Schiller argues for a middle ground between materialism and absolute metaphysics. These opposites are comparable to what William James called tough-minded empiricism and tender-minded rationalism. Schiller contends on the one hand that mechanistic naturalism cannot make sense of the "higher" aspects of our world. These include free will, consciousness, purpose, universals and some would add God. On the other hand, abstract metaphysics cannot make sense of the "lower" aspects of our world (e.g. the imperfect, change, physicality). While Schiller is vague about the exact sort of middle ground he is trying to establish, he suggests that metaphysics is a tool that can aid inquiry, but that it is valuable only insofar as it does help in explanation.

In the second half of the 20th century, Stephen Toulmin³⁰¹ argued that the need to distinguish between reality and appearance only arises within an explanatory scheme and therefore that there is no point in asking what "ultimate reality" consists of. More recently, a similar idea has been suggested by the postanalytic philosopher³⁰² Daniel Dennett³⁰³, who argues that anyone who wants to understand the world has to acknowledge both the "syntactical" aspects of reality (i.e., whizzing atoms) and its emergent or "semantic" properties (i.e., meaning and value).^[citation needed³⁰⁴]

Radical empiricism gives answers to questions about the limits of science, the nature of meaning and value and the workability of reductionism³⁰⁵. These questions feature prominently in current debates about the relationship between religion and science³⁰⁶, where it is often assumed—most pragmatists would disagree—that science degrades everything that is meaningful into "merely" physical phenomena³⁰⁷.

1.3.4 Philosophy of mind

Both John Dewey³⁰⁸ in *Experience and Nature* (1929) and, half a century later, Richard Rorty³⁰⁹ in his *Philosophy and the Mirror of Nature* (1979) argued that much of the debate about the relation of the mind to the body results from conceptual confusions. They argue instead that there is no need to posit the mind or mindstuff as an ontological³¹⁰ category.

Pragmatists disagree over whether philosophers ought to adopt a quietist or a naturalist stance toward the mind-body problem. The former, including Rorty, want to do away with the problem because they believe it's a pseudo-problem, whereas the latter believe that it is a meaningful empirical question.^[citation needed³¹¹]

300 https://en.wikipedia.org/wiki/F._C._S._Schiller

301 https://en.wikipedia.org/wiki/Stephen_Toulmin

302 https://en.wikipedia.org/wiki/Postanalytic_philosophy

303 https://en.wikipedia.org/wiki/Daniel_Dennett

305 <https://en.wikipedia.org/wiki/Reductionism>

306 https://en.wikipedia.org/wiki/Relationship_between_religion_and_science

307 <https://en.wikipedia.org/wiki/Materialism>

308 https://en.wikipedia.org/wiki/John_Dewey

309 https://en.wikipedia.org/wiki/Richard_Rorty

310 <https://en.wikipedia.org/wiki/Ontological>

1.3.5 Ethics

Main article: Pragmatic ethics³¹² Pragmatism sees no fundamental difference between practical and theoretical reason, nor any ontological difference between facts and values. Pragmatist ethics is broadly humanist³¹³ because it sees no ultimate test of morality beyond what matters for us as humans. Good values are those for which we have good reasons, viz. the good reasons approach³¹⁴. The pragmatist formulation pre-dates those of other philosophers who have stressed important similarities between values and facts such as Jerome Schneewind³¹⁵ and John Searle³¹⁶.

312 https://en.wikipedia.org/wiki/Pragmatic_ethics

313 <https://en.wikipedia.org/wiki/Humanism>

314 https://en.wikipedia.org/wiki/Good_reasons_approach

315 https://en.wikipedia.org/wiki/Jerome_Schneewind

316 https://en.wikipedia.org/wiki/John_Searle



Figure 6 William James tried to show the meaningfulness of (some kinds of) spirituality but, like other pragmatists, did not see religion as the basis of meaning or morality.

William James' contribution to ethics, as laid out in his essay *The Will to Believe* has often been misunderstood as a plea for relativism or irrationality. On its own terms it argues that ethics always involves a certain degree of trust or faith and that we cannot always wait for adequate proof when making moral decisions.

Moral questions immediately present themselves as questions whose solution cannot wait for sensible proof. A moral question is a question not of what sensibly exists, but of what is good, or would be good if it did exist. ... A social organism of any sort whatever, large or small, is what it is because each member proceeds to his own duty with a trust

that the other members will simultaneously do theirs. Wherever a desired result is achieved by the co-operation of many independent persons, its existence as a fact is a pure consequence of the precursive faith in one another of those immediately concerned. A government, an army, a commercial system, a ship, a college, an athletic team, all exist on this condition, without which not only is nothing achieved, but nothing is even attempted.^[29]

Of the classical pragmatists, John Dewey wrote most extensively about morality and democracy.^[30] In his classic article "Three Independent Factors in Morals",^[31] he tried to integrate three basic philosophical perspectives on morality: the right, the virtuous and the good. He held that while all three provide meaningful ways to think about moral questions, the possibility of conflict among the three elements cannot always be easily solved.^[32]

Dewey also criticized the dichotomy between means and ends which he saw as responsible for the degradation of our everyday working lives and education, both conceived as merely a means to an end. He stressed the need for meaningful labor and a conception of education that viewed it not as a preparation for life but as life itself.^[33]

Dewey was opposed to other ethical philosophies of his time, notably the emotivism³¹⁷ of Alfred Ayer³¹⁸. Dewey envisioned the possibility of ethics as an experimental discipline, and thought values could best be characterized not as feelings or imperatives, but as hypotheses about what actions will lead to satisfactory results or what he termed *consummatory experience*. An additional implication of this view is that ethics is a fallible undertaking because human beings are frequently unable to know what would satisfy them.

During the late 1900s and first decade of 2000, pragmatism was embraced by many in the field of bioethics³¹⁹ led by the philosophers John Lachs³²⁰ and his student Glenn McGee³²¹, whose 1997 book *The Perfect Baby: A Pragmatic Approach to Genetic Engineering* (see designer baby³²²) garnered praise from within classical American philosophy³²³ and criticism from bioethics for its development of a theory of pragmatic bioethics and its rejection of the principlalism theory then in vogue in medical ethics³²⁴. An anthology published by the MIT Press³²⁵ titled *Pragmatic Bioethics* included the responses of philosophers to that debate, including Micah Hester, Griffin Trotter and others many of whom developed their own theories based on the work of Dewey, Peirce, Royce and others. Lachs developed several applications of pragmatism to bioethics independent of but extending from the work of Dewey and James.

A recent pragmatist contribution to meta-ethics³²⁶ is Todd Lekan's *Making Morality*.^[34] Lekan argues that morality is a fallible but rational practice and that it has traditionally been misconceived as based on theory or principles. Instead, he argues, theory and rules arise as tools to make practice more intelligent.

317 <https://en.wikipedia.org/wiki/Emotivism>

318 https://en.wikipedia.org/wiki/Alfred_Ayer

319 <https://en.wikipedia.org/wiki/Bioethics>

320 https://en.wikipedia.org/wiki/John_Lachs

321 https://en.wikipedia.org/wiki/Glenn_McGee

322 https://en.wikipedia.org/wiki/Designer_baby

323 https://en.wikipedia.org/wiki/American_philosophy

324 https://en.wikipedia.org/wiki/Medical_ethics

325 https://en.wikipedia.org/wiki/MIT_Press

326 <https://en.wikipedia.org/wiki/Meta-ethics>

1.3.6 Aesthetics

John Dewey's *Art as Experience*, based on the William James lectures he delivered at Harvard University, was an attempt to show the integrity of art, culture and everyday experience (*IEP*). Art, for Dewey, is or should be a part of everyone's creative lives and not just the privilege of a select group of artists. He also emphasizes that the audience is more than a passive recipient. Dewey's treatment of art was a move away from the transcendental³²⁷ approach to aesthetics³²⁸ in the wake of Immanuel Kant³²⁹ who emphasized the unique character of art and the disinterested nature of aesthetic appreciation. A notable contemporary pragmatist aesthetician is Joseph Margolis³³⁰. He defines a work of art as "a physically embodied, culturally emergent entity", a human "utterance" that isn't an ontological quirk but in line with other human activity and culture in general. He emphasizes that works of art are complex and difficult to fathom, and that no determinate interpretation can be given.

1.3.7 Philosophy of religion

Both Dewey and James investigated the role that religion can still play in contemporary society, the former in *A Common Faith* and the latter in *The Varieties of Religious Experience*.

From a general point of view, for William James, something is true only insofar as it works. Thus, the statement, for example, that prayer is heard may work on a psychological level but (a) may not help to bring about the things you pray for (b) may be better explained by referring to its soothing effect than by claiming prayers are heard. As such, pragmatism is not antithetical to religion but it is not an apologetic for faith either. James' metaphysical position however, leaves open the possibility that the ontological claims of religions may be true. As he observed in the end of the *Varieties*, his position does not amount to a denial of the existence of transcendent realities³³¹. Quite the contrary, he argued for the legitimate epistemic right to believe in such realities, since such beliefs do make a difference in an individual's life and refer to claims that cannot be verified or falsified either on intellectual or common sensorial grounds.

Joseph Margolis³³² in *Historied Thought, Constructed World* (California, 1995) makes a distinction between "existence" and "reality". He suggests using the term "exists" only for those things which adequately exhibit Peirce's *Secondness*: things which offer brute physical resistance to our movements. In this way, such things which affect us, like numbers, may be said to be "real", although they do not "exist". Margolis suggests that God, in such a linguistic usage, might very well be "real", causing believers to act in such and such a way, but might not "exist".

327 https://en.wikipedia.org/wiki/Transcendental_idealism

328 <https://en.wikipedia.org/wiki/Aesthetics>

329 https://en.wikipedia.org/wiki/Immanuel_Kant

330 https://en.wikipedia.org/wiki/Joseph_Margolis

331 [https://en.wikipedia.org/wiki/Transcendence_\(religion\)](https://en.wikipedia.org/wiki/Transcendence_(religion))

332 https://en.wikipedia.org/wiki/Joseph_Margolis

1.4 Neopragmatism

Main article: Neopragmatism³³³ Neopragmatism³³⁴ is a broad contemporary category used for various thinkers that incorporate important insights of, and yet significantly diverge from, the classical pragmatists. This divergence may occur either in their philosophical methodology (many of them are loyal to the analytic tradition) or in conceptual formation: for example, conceptual pragmatist C. I. Lewis³³⁵ was very critical of Dewey; neopragmatist³³⁶ Richard Rorty³³⁷ disliked Peirce.

Important analytic pragmatists³³⁸ include early Richard Rorty³³⁹ (who was the first to develop neopragmatist philosophy in his *Philosophy and the Mirror of Nature*³⁴⁰ (1979),^[35] Hilary Putnam³⁴¹, W. V. O. Quine³⁴², and Donald Davidson³⁴³. Brazilian social thinker Roberto Unger³⁴⁴ advocates for a **radical pragmatism**, one that "de-naturalizes" society and culture, and thus insists that we can "transform the character of our relation to social and cultural worlds we inhabit rather than just to change, little by little, the content of the arrangements and beliefs that comprise them".^[36] Late Rorty and Jürgen Habermas³⁴⁵ are closer to Continental thought³⁴⁶.

Neopragmatist thinkers who are more loyal to classical pragmatism include Sidney Hook³⁴⁷ and Susan Haack³⁴⁸ (known for the theory of foundherentism³⁴⁹). Many pragmatist ideas (especially those of Peirce) find a natural expression in the decision-theoretic reconstruction of epistemology pursued in the work of Isaac Levi³⁵⁰. Nicholas Rescher³⁵¹ advocates his version of **methodological pragmatism**, based on construing pragmatic efficacy not as a replacement for truths but as a means to its evidentialization.^[37] Rescher is also a proponent of pragmatic idealism³⁵².

Not all pragmatists are easily characterized. With the advent of postanalytic philosophy³⁵³ and the diversification of Anglo-American philosophy, many philosophers were influenced by pragmatist thought without necessarily publicly committing themselves to that philosophical school. Daniel Dennett³⁵⁴, a student of Quine's, falls into this category, as does Stephen

333 <https://en.wikipedia.org/wiki/Neopragmatism>

334 <https://en.wikipedia.org/wiki/Neopragmatism>

335 https://en.wikipedia.org/wiki/C._I._Lewis

336 <https://en.wikipedia.org/wiki/Neopragmatist>

337 https://en.wikipedia.org/wiki/Richard_Rorty

338 https://en.wikipedia.org/wiki/Analytic_pragmatism

339 https://en.wikipedia.org/wiki/Richard_Rorty

340 https://en.wikipedia.org/wiki/Philosophy_and_the_Mirror_of_Nature

341 https://en.wikipedia.org/wiki/Hilary_Putnam

342 https://en.wikipedia.org/wiki/W._V._O._Quine

343 [https://en.wikipedia.org/wiki/Donald_Davidson_\(philosopher\)](https://en.wikipedia.org/wiki/Donald_Davidson_(philosopher))

344 https://en.wikipedia.org/wiki/Roberto_Unger

345 https://en.wikipedia.org/wiki/J%C3%BCrgen_Habermas

346 https://en.wikipedia.org/wiki/Continental_philosophy

347 https://en.wikipedia.org/wiki/Sidney_Hook

348 https://en.wikipedia.org/wiki/Susan_Haack

349 <https://en.wikipedia.org/wiki/Foundherentism>

350 https://en.wikipedia.org/wiki/Isaac_Levi

351 https://en.wikipedia.org/wiki/Nicholas_Rescher

352 https://en.wikipedia.org/wiki/Pragmatic_idealism

353 https://en.wikipedia.org/wiki/Postanalytic_philosophy

354 https://en.wikipedia.org/wiki/Daniel_Dennett

Toulmin³⁵⁵, who arrived at his philosophical position via Wittgenstein³⁵⁶, whom he calls "a pragmatist of a sophisticated kind".^[38] Another example is Mark Johnson³⁵⁷ whose embodied philosophy³⁵⁸^[39] shares its psychologism, direct realism and anti-cartesianism with pragmatism. Conceptual pragmatism is a theory of knowledge originating with the work of the philosopher and logician Clarence Irving Lewis³⁵⁹. The epistemology of conceptual pragmatism was first formulated in the 1929 book *Mind and the World Order: Outline of a Theory of Knowledge*.

French pragmatism is attended with theorists such as Bruno Latour³⁶⁰, Michel Crozier³⁶¹, Luc Boltanski³⁶², and Laurent Thévenot³⁶³. It often is seen as opposed to structural problems connected to the French critical theory³⁶⁴ of Pierre Bourdieu³⁶⁵. French pragmatism has more recently made inroads into American sociology as well.^{[40][41][42]}

Philosophers John R. Shook and Tibor Solymosi said that "each new generation rediscovers and reinvents its own versions of pragmatism by applying the best available practical and scientific methods to philosophical problems of contemporary concern".^[43]

1.5 Legacy and contemporary relevance

In the 20th century, the movements of logical positivism³⁶⁶ and ordinary language philosophy³⁶⁷ have similarities with pragmatism. Like pragmatism, logical positivism provides a verification criterion of meaning that is supposed to rid us of nonsense metaphysics; however, logical positivism doesn't stress action as pragmatism does. The pragmatists rarely used their maxim of meaning to rule out all metaphysics as nonsense. Usually, pragmatism was put forth to correct metaphysical doctrines or to construct empirically verifiable ones rather than to provide a wholesale rejection.

Ordinary language philosophy is closer to pragmatism than other philosophy of language³⁶⁸ because of its nominalist³⁶⁹ character (although Peirce's pragmatism is not nominalist^[13]) and because it takes the broader functioning of language in an environment as its focus instead of investigating abstract relations between language and world.

Pragmatism has ties to process philosophy³⁷⁰. Much of the classical pragmatists' work developed in dialogue with process philosophers such as Henri Bergson³⁷¹ and Alfred North

355 https://en.wikipedia.org/wiki/Stephen_Toulmin

356 https://en.wikipedia.org/wiki/Ludwig_Wittgenstein

357 [https://en.wikipedia.org/wiki/Mark_Johnson_\(professor\)](https://en.wikipedia.org/wiki/Mark_Johnson_(professor))

358 https://en.wikipedia.org/wiki/Embodied_philosophy

359 https://en.wikipedia.org/wiki/Clarence_Irving_Lewis

360 https://en.wikipedia.org/wiki/Bruno_Latour

361 https://en.wikipedia.org/wiki/Michel_Crozier

362 https://en.wikipedia.org/wiki/Luc_Boltanski

363 https://en.wikipedia.org/wiki/Laurent_Thévenot

364 https://en.wikipedia.org/wiki/Critical_theory

365 https://en.wikipedia.org/wiki/Pierre_Bourdieu

366 https://en.wikipedia.org/wiki/Logical_positivism

367 https://en.wikipedia.org/wiki/Ordinary_language_philosophy

368 https://en.wikipedia.org/wiki/Philosophy_of_language

369 <https://en.wikipedia.org/wiki/Nominalism>

370 https://en.wikipedia.org/wiki/Process_philosophy

371 https://en.wikipedia.org/wiki/Henri_Bergson

Whitehead³⁷², who aren't usually considered pragmatists because they differ so much on other points.^[44]

Behaviorism³⁷³ and functionalism³⁷⁴ in psychology and sociology also have ties to pragmatism, which is not surprising considering that James and Dewey were both scholars of psychology and that Mead³⁷⁵ became a sociologist.

Pragmatism emphasizes the connection between thought and action. Applied fields like public administration³⁷⁶,^[45] political science³⁷⁷,^[46] leadership studies,^[47] international relations³⁷⁸,^[48] conflict resolution,^[49] and research methodology^[50] have incorporated the tenets of pragmatism in their field. Often this connection is made using Dewey and Addams's expansive notion of democracy.

1.5.1 Effects on social sciences

In the early 20th century, Symbolic interactionism³⁷⁹, a major perspective within sociological social psychology, was derived from pragmatism, especially the work of George Herbert Mead³⁸⁰ and Charles Cooley³⁸¹, as well as that of Peirce³⁸² and William James³⁸³.^[51]

Increasing attention is being given to pragmatist epistemology in other branches of the social sciences, which have struggled with divisive debates over the status of social scientific knowledge.^[4]^[52]

Enthusiasts suggest that pragmatism offers an approach that is both pluralist and practical.^[53]

1.5.2 Effects on public administration

The classical pragmatism of John Dewey³⁸⁴, William James³⁸⁵, and Charles Sanders Peirce³⁸⁶ has influenced research in the field of public administration. Scholars claim classical pragmatism had a profound influence on the origin of the field of public administration.^[54]^[55] At the most basic level, public administrators are responsible for making programs "work" in a pluralistic, problems-oriented environment. Public administrators are also responsible for the day-to-day work with citizens. Dewey's participatory democracy³⁸⁷ can

372 https://en.wikipedia.org/wiki/Alfred_North_Whitehead

373 <https://en.wikipedia.org/wiki/Behaviorism>

374 https://en.wikipedia.org/wiki/Functional_psychology

375 https://en.wikipedia.org/wiki/George_Herbert_Mead

376 https://en.wikipedia.org/wiki/Public_administration

377 https://en.wikipedia.org/wiki/Political_science

378 https://en.wikipedia.org/wiki/International_relations

379 https://en.wikipedia.org/wiki/Symbolic_interactionism

380 https://en.wikipedia.org/wiki/George_Herbert_Mead

381 https://en.wikipedia.org/wiki/Charles_Cooley

382 https://en.wikipedia.org/wiki/Charles_Sanders_Peirce

383 https://en.wikipedia.org/wiki/William_James

384 https://en.wikipedia.org/wiki/John_Dewey

385 https://en.wikipedia.org/wiki/William_James

386 https://en.wikipedia.org/wiki/Charles_Sanders_Peirce

387 https://en.wikipedia.org/wiki/Participatory_democracy

be applied in this environment. Dewey and James' notion of theory as a tool, helps administrators craft theories to resolve policy and administrative problems. Further, the birth of American public administration³⁸⁸ coincides closely with the period of greatest influence of the classical pragmatists.

Which pragmatism (classical pragmatism or neo-pragmatism) makes the most sense in public administration has been the source of debate. The debate began when Patricia M. Shields³⁸⁹ introduced Dewey's notion of the Community of Inquiry.^[56] Hugh Miller objected to one element of the community of inquiry (problematic situation, scientific attitude, participatory democracy): scientific attitude.^[57] A debate that included responses from a practitioner,^[58] an economist,^[59] a planner,^[60] other public administration scholars,^{[61][62]} and noted philosophers^{[63][64]} followed. Miller^[65] and Shields^{[66][67]} also responded.

In addition, applied scholarship of public administration that assesses charter schools³⁹⁰,^[68] contracting out or outsourcing³⁹¹,^[69] financial management,^[70] performance measurement³⁹²,^[71] urban quality of life initiatives,^[72] and urban planning³⁹³,^[73] in part draws on the ideas of classical pragmatism in the development of the conceptual framework³⁹⁴ and focus of analysis.^{[74][75][76]}

The health sector's administrators' use of pragmatism has been criticized as incomplete in its pragmatism, however,^[77] according to the classical pragmatists, knowledge is always shaped by human interests. The administrator's focus on "outcomes" simply advances their own interest, and this focus on outcomes often undermines their citizen's interests, which often are more concerned with process. On the other hand, David Brendel argues that pragmatism's ability to bridge dualisms, focus on practical problems, include multiple perspectives, incorporate participation from interested parties (patient, family, health team), and provisional nature makes it well suited to address problems in this area.^[78]

1.5.3 Effects on feminism

Since the mid 1990s, feminist philosophers have re-discovered classical pragmatism as a source of feminist theories. Works by Seigfried,^[79] Duran,^[80] Keith,^[81] and Whipps^[82] explore the historic and philosophic links between feminism and pragmatism. The connection between pragmatism and feminism took so long to be rediscovered because pragmatism itself was eclipsed by logical positivism during the middle decades of the twentieth century. As a result, it was lost from feminist discourse. Feminists now consider pragmatism's greatest strength to be the very features that led to its decline. These are "persistent and early criticisms of positivist interpretations of scientific methodology; disclosure of value dimension of factual claims"; viewing aesthetics as informing everyday experience; subordinating logical analysis to political, cultural, and social issues; linking the dominant discourses with domination; "realigning theory with praxis; and resisting the turn to epistemology and instead emphasizing concrete experience".^[83]

388 https://en.wikipedia.org/wiki/Public_administration

389 https://en.wikipedia.org/wiki/Patricia_M._Shields

390 https://en.wikipedia.org/wiki/Charter_schools

391 <https://en.wikipedia.org/wiki/Outsourcing>

392 https://en.wikipedia.org/wiki/Performance_measurement

393 https://en.wikipedia.org/wiki/Urban_planning

394 https://en.wikipedia.org/wiki/Conceptual_framework

Feminist philosophers point to Jane Addams³⁹⁵ as a founder of classical pragmatism. Mary Parker Follett³⁹⁶ was also an important feminist pragmatist concerned with organizational operation during the early decades of the 20th century.^{[84][85]} In addition, the ideas of Dewey, Mead, and James are consistent with many feminist tenets. Jane Addams, John Dewey, and George Herbert Mead developed their philosophies as all three became friends, influenced each other, and were engaged in the Hull House³⁹⁷ experience and women's rights³⁹⁸ causes.

1.6 Criticisms

In the 1908 essay "The Thirteen Pragmatisms", Arthur Oncken Lovejoy³⁹⁹ argued that there's significant ambiguity in the notion of the effects of the *truth* of a proposition and those of *belief* in a proposition in order to highlight that many pragmatists had failed to recognize that distinction.^[86] He identified 13 different philosophical positions that were each labeled pragmatism.

Franciscan⁴⁰⁰ monk Celestine Bittle presented multiple criticisms of pragmatism in his 1936 book *Reality and the Mind: Epistemology*.^[87] He argued that, in William James's pragmatism, truth is entirely subjective and is not the widely accepted definition of truth, which is correspondence to reality. For Bittle, defining truth as what is useful is a "perversion of language".^[87] With truth reduced essentially to what is good, it is no longer an object of the intellect. Therefore, the problem of knowledge posed by the intellect is not solved, but rather renamed. Renaming truth as a product of the will cannot help it solve the problems of the intellect, according to Bittle. Bittle cited what he saw as contradictions in pragmatism, such as using objective facts to prove that truth does not emerge from objective fact; this reveals that pragmatists do recognize truth as objective fact, and not, as they claim, what is useful. Bittle argued there are also some statements that cannot be judged on human welfare at all. Such statements (for example the assertion that "a car is passing") are matters of "truth and error" and do not affect human welfare.^[87]

British philosopher Bertrand Russell⁴⁰¹ devoted a chapter each to James and Dewey in his 1945 book *A History of Western Philosophy*⁴⁰²; Russell pointed out areas in which he agreed with them but also ridiculed James's views on truth and Dewey's views on inquiry.^{[88]:17[89]:120-124} Hilary Putnam later argued that Russell "presented a mere caricature" of James's views^{[88]:17} and a "misreading of James",^{[88]:20} while Tom Burke argued at length that Russell presented "a skewed characterization of Dewey's point of view".^{[89]:121} Elsewhere, in Russell's book *The Analysis of Mind*, Russell praised James's radical empiricism, to which Russell's own account of neutral monism⁴⁰³ was indebted.^{[88]:17[90]} Dewey, in *The Bertrand Russell*

395 https://en.wikipedia.org/wiki/Jane_Addams

396 https://en.wikipedia.org/wiki/Mary_Parker_Follett

397 https://en.wikipedia.org/wiki/Hull_House

398 https://en.wikipedia.org/wiki/Women%27s_rights

399 https://en.wikipedia.org/wiki/Arthur_Oncken_Lovejoy

400 <https://en.wikipedia.org/wiki/Franciscan>

401 https://en.wikipedia.org/wiki/Bertrand_Russell

402 https://en.wikipedia.org/wiki/A_History_of_Western_Philosophy

403 https://en.wikipedia.org/wiki/Neutral_monism

*Case*⁴⁰⁴, defended Russell against an attempt to remove Russell from his chair at the College of the City of New York in 1940.^[91]

Neopragmatism⁴⁰⁵ as represented by Richard Rorty has been criticized as relativistic both by other neopragmatists such as Susan Haack^{406[92]} and by many analytic philosophers.^[93] Rorty's early analytic work, however, differs notably from his later work which some, including Rorty, consider to be closer to literary criticism⁴⁰⁷ than to philosophy, and which attracts the brunt of criticism from his detractors.

1.7 List of pragmatists

404 https://en.wikipedia.org/wiki/The_Bertrand_Russell_Case

405 <https://en.wikipedia.org/wiki/Neopragmatism>

406 https://en.wikipedia.org/wiki/Susan_Haack

407 https://en.wikipedia.org/wiki/Literary_criticism

1.7.1 Classical (1850–1950)

Name	Life-time	Notes
Charles Sanders Peirce ⁴⁰⁸	1839–1914	was the founder of American pragmatism (later called by Peirce pragmatism ⁴⁰⁹). He wrote on a wide range of topics, from mathematical logic and semiotics to psychology.
William James ⁴¹⁰	1842–1910	influential psychologist and theorist of religion as well as philosopher. First to be widely associated with the term "pragmatism" due to Peirce's lifelong unpopularity.
John Dewey ⁴¹¹	1859–1952	prominent philosopher of education ⁴¹² , referred to his brand of pragmatism as instrumentalism. ⁴¹³
Oliver Wendell Holmes, Jr. ⁴¹⁴	1841–1935	U.S. Supreme Court ⁴¹⁵ Associate Justice.
F. C. S. Schiller ⁴¹⁶	1864–1937	one of the most important pragmatists of his time, Schiller is largely forgotten today.
Name	Life-time	Notes
George Herbert Mead ⁴¹⁷	1863–1931	philosopher and socio-logical social psychologist ⁴¹⁸ .
Josiah Royce ⁴¹⁹	1855–1916	colleague of James at Harvard who employed pragmatism in an idealist metaphysical framework, he was particularly interested in the philosophy of religion and community; his work is often associated with neo-Hegelianism ⁴²⁰ .
George Santayana ⁴²¹	1863–1952	although he eschewed the label "pragmatism" and called it a "heresy", several critics argue that he applied pragmatist methodologies to naturalism ⁴²² , especially in his early masterwork, <i>The Life of Reason</i> ⁴²³ .
W. E. B. Du Bois ⁴²⁴	1868–1963	student of James at Harvard who applied pragmatist principles to his sociological work, especially in <i>The Philadelphia Negro</i> ⁴²⁵ and <i>Atlanta University Studies</i> .

lated thinkers

1.7.2 Analytic, neo- and other (1950–present)

Name	Life-time	Notes
Richard J. Bernstein ⁴³¹	1932–	Author of <i>Beyond Objectivism and Relativism: Science, Hermeneutics, and Praxis</i> , <i>The New Constellation: The Ethical Political Horizons of Modernity/Postmodernity</i> , <i>The Pragmatic Turn</i>
F. Thomas Burke	1950–	Author of <i>What Pragmatism Was</i> (2013), <i>Dewey's New Logic</i> (1994). His work interprets contemporary philosophy of mind, philosophy of language, and philosophical logic through the lens of classical American pragmatism.
Arthur Fine ⁴³²	1937–	Philosopher of Science who proposed the Natural Ontological Attitude ⁴³³ to the debate of scientific realism. ⁴³⁴
Stanley Fish ⁴³⁵	1938–	Literary and Legal Studies pragmatist. Criticizes Rorty's and Posner's legal theories as "almost pragmatism" ^[94] and authored the afterword in the collection <i>The Revival of Pragmatism</i> . ^[95]
Robert Brandom ⁴³⁶	1950–	A student of Rorty, has developed a complex analytic version of pragmatism in works such as <i>Making It Explicit</i> , <i>Between Saying and Doing</i> , and <i>Perspectives on Pragmatism</i> .
Clarence Irving Lewis ⁴³⁷	1883–1964	a leading authority on symbolic logic and on the philosophic concepts of knowledge and value.
Joseph Margolis ⁴³⁸	1924–2021	still proudly defends the original Pragmatists and sees his recent work on Cultural Realism as extending and deepening their insights, especially the contribution of Peirce ⁴³⁹ and Dewey, in the context of a rapprochement with Continental philosophy.
Hilary Putnam ⁴⁴⁰	1926–2016	in many ways the opposite of Rorty and thinks

1.8 See also

- American philosophy⁴⁷⁴
- Charles Sanders Peirce bibliography⁴⁷⁵
- Doctrine of internal relations⁴⁷⁶
- Holistic pragmatism⁴⁷⁷
- New legal realism⁴⁷⁸
- Pragmatism as a tradition of communication theory⁴⁷⁹
- Pragmatic model⁴⁸⁰
- Realpolitik⁴⁸¹

1.9 Notes

1. See Dewey 1910 for a "FAQ."

1.10 References

1. Peirce, C.S. (1878), "How to Make Our Ideas Clear⁴⁸²", *Popular Science Monthly*, v. 12, 286–302. Reprinted often, including *Collected Papers* v. 5, paragraphs 388–410 and *Essential Peirce* v. 1, 124–141. See end of §II for the pragmatic maxim. See third and fourth paragraphs in §IV for the discoverability of truth and the real by sufficient investigation.
2. HOOKWAY, CHRISTOPHER (AUGUST 16, 2008). "PRAGMATISM"⁴⁸³. IN ZALTA, EDWARD N.⁴⁸⁴ (ED.). *Stanford Encyclopedia of Philosophy*⁴⁸⁵ (SPRING 2010 ED.).
3. SUSAN HAACK⁴⁸⁶; ROBERT EDWIN LANE (APRIL 11, 2006). *Pragmatism, old & new: selected writings*. Prometheus Books. pp. 18–67. ISBN⁴⁸⁷ 978-1-59102-359-3⁴⁸⁸.
4. Biesta, G.J.J. & Burbules, N. (2003). *Pragmatism and educational research*. Lanham, MD: Rowman and Littlefield.
5. James, William (1898), "Philosophical Conceptions and Practical Results", delivered before the Philosophical Union of the University of California at Berkeley, August 26,

474 https://en.wikipedia.org/wiki/American_philosophy

475 https://en.wikipedia.org/wiki/Charles_Sanders_Peirce_bibliography

476 https://en.wikipedia.org/wiki/Doctrine_of_internal_relations

477 https://en.wikipedia.org/wiki/Holistic_pragmatism

478 https://en.wikipedia.org/wiki/New_legal_realism

479 https://en.wikipedia.org/wiki/Communication_Theory_as_a_Field#Russell,_pragmatism_as_an_eighth_tradition

480 https://en.wikipedia.org/wiki/Scientific_method#Pragmatic_model

481 <https://en.wikipedia.org/wiki/Realpolitik>

482 https://en.wikisource.org/wiki/How_to_Make_Our_Ideas_Clear

483 <https://plato.stanford.edu/entries/pragmatism/>

484 https://en.wikipedia.org/wiki/Edward_N._Zalta

485 https://en.wikipedia.org/wiki/Stanford_Encyclopedia_of_Philosophy

486 https://en.wikipedia.org/wiki/Susan_Haack

487 [https://en.wikipedia.org/wiki/ISBN_\(identifier\)](https://en.wikipedia.org/wiki/ISBN_(identifier))

488 <https://en.wikipedia.org/wiki/Special:BookSources/978-1-59102-359-3>

1898, and first printed in the *University Chronicle* 1, September 1898, pp. 287–310. *Internet Archive Eprint*⁴⁸⁹. On p. 290⁴⁹⁰:

I refer to Mr. Charles S. Peirce, with whose very existence as a philosopher I dare say many of you are unacquainted. He is one of the most original of contemporary thinkers; and the principle of practicalism or pragmatism, as he called it, when I first heard him enunciate it at Cambridge in the early [1870s] is the clue or compass by following which I find myself more and more confirmed in believing we may keep our feet upon the proper trail.

James credited Peirce again in 1906 lectures published in 1907 as *Pragmatism: A New Name for Some Old Ways of Thinking*⁴⁹¹, see Lecture 2, fourth paragraph.

6. See James (1897), *Will to Believe* (which James dedicated to Peirce), see p. 124 and footnote via Google Books Eprint⁴⁹²:

Indeed, it may be said that if two apparently different definitions of the reality before us should have identical consequences, those two definitions would really be identical definitions, made delusively to appear different merely by the different verbiage in which they are expressed.¹

¹ See the admirably original "Illustrations of the Logic of Science," by C.S. Peirce, especially the second paper, "How to make our Thoughts clear," [*sic*⁴⁹³] in the Popular Science Monthly for January, 1878.

See also James's 1907 *Pragmatism: A New Name for Some Old Ways of Thinking*⁴⁹⁴, Lecture 2, fourth paragraph.

7. In addition to James's lectures and publications on pragmatist ideas (*Will to Believe* 1897, etc.) wherein he credited Peirce, James also arranged for two paid series of lectures by Peirce, including the 1903 Harvard lectures on pragmatism. See pp. 261–264, 290–2, & 324 in Brent, Joseph (1998), *Charles Sanders Peirce: A Life*, 2nd edition.
8. Peirce, C.S., "The Founding of Pragmatism", manuscript written 1906, published in *The Hound & Horn: A Harvard Miscellany* v. II, n. 3, April–June 1929, pp. 282–285, see 283–284, reprinted 1934 as "Historical Affinities and Genesis" in *Collected Papers*⁴⁹⁵ v. 5, paragraphs 11–13, see 12.
9. Shook, John (undated), "The Metaphysical Club", the *Pragmatism Cybrary*. Eprint⁴⁹⁶.
10. Peirce, C.S. (1877), The Fixation of Belief⁴⁹⁷, *Popular Science Monthly*, v. 12, pp. 1–15. Reprinted often, including *Collected Papers* v. 5, paragraphs 358–387 and *Essential Peirce* v. 1, pp. 109–123).
11. Peirce, on p p. 165⁴⁹⁸–166 in "What Pragmatism Is", *The Monist*, v. XV, n. 2, April 1905, pp. 161–181, reprinted in *Collected Papers* v. 5, paragraphs 411–437, see 414.
12. Manuscript "A Sketch of Logical Critics", *Essential Peirce* v. 2, pp. 451–462, see pp. 457–458. Peirce wrote:

489 <https://archive.org/stream/philosophicalcon00jameuoft#page/n4/mode/1up>

490 <https://archive.org/stream/philosophicalcon00jameuoft#page/290/mode/1up>

491 https://en.wikisource.org/wiki/Pragmatism:_A_New_Name_for_Some_Old_Ways_of_Thinking

492 <https://books.google.com/books?id=wRML4uYEegC&pg=PA124>

493 <https://en.wikipedia.org/wiki/Sic>

494 https://en.wikisource.org/wiki/Pragmatism:_A_New_Name_for_Some_Old_Ways_of_Thinking

495 https://en.wikipedia.org/wiki/Charles_Sanders_Peirce_bibliography#CP

496 http://www.pragmatism.org/research/metaphysical_club.htm

497 https://en.wikisource.org/wiki/The_Fixation_of_Belief

498 <https://books.google.com/books?id=j6oLAAAAIAAJ&pg=PA165>

I have always fathered my pragmatism (as I have called it since James and Schiller made the word [pragmatism] imply "the will to believe," the mutability of truth, the soundness of Zeno's refutation of motion, and pluralism generally), upon Kant, Berkeley, and Leibniz. ...

13. Peirce, C.S. (1908) "A Neglected Argument for the Reality of God⁴⁹⁹", *Hibbert Journal* 7, reprinted in *Collected Papers* v. 6, paragraphs 452–85, *Essential Peirce* v. 2, 434–450, and elsewhere. After discussing James, Peirce stated (Section V, fourth paragraph) as the specific occasion of his coinage "pragmatism", journalist, pragmatist, and literary author Giovanni Papini⁵⁰⁰'s declaration of pragmatism's indefinability (see for example "What Is Pragmatism Like", a translation published in October 1907 in *Popular Science Monthly* v. 71, pp. 351–358, Google Books Eprint⁵⁰¹). Peirce in his closing paragraph wrote that "willing not to exert the will (willing to believe)" should not be confused with "active willing (willing to control thought, to doubt, and to weigh reasons)", and discussed his dismay by that which he called the other pragmatists' "angry hatred of strict logic". He also rejected their nominalist⁵⁰² tendencies. But he remained allied with them about the falsity of necessitarianism and about the reality of generals and habits understood in terms of potential concrete effects even if unactualized.
14. HILDEBRAND, DAVID L. (2003). *Beyond realism and antirealism: John Dewey and the neopragmatists*⁵⁰³. THE VANDERBILT LIBRARY OF AMERICAN PHILOSOPHY. NASHVILLE: VANDERBILT UNIVERSITY PRESS⁵⁰⁴. ISBN⁵⁰⁵ 082651426X⁵⁰⁶. OCLC⁵⁰⁷ 51053926⁵⁰⁸.
15. Peirce, C.S. (1868) "Questions Concerning Certain Faculties Claimed for Man", *Journal of Speculative Philosophy* v. 2, n. 2, pp. 103–114. Reprinted *Collected Peirce* v. 5, paragraphs 213–263, *Writings* v. 2, pp. 193–211, *Essential Peirce* v. 2, pp. 11–27, and elsewhere. *Peirce.org* Eprint⁵⁰⁹. Google Books Eprint⁵¹⁰.
16. De Waal 2005, pp. 7–10
17. Kasser, Jeff (1998), "Peirce's Supposed Psychologism" in *Transactions of the Charles S. Peirce Society*, v. 35, n. 3, summer 1999, pp. 501–527. *Arisbe* Eprint⁵¹¹.
18. Peirce held that (philosophical) logic is a normative⁵¹² field, that pragmatism is a method developed in it, and that philosophy, though not deductive or so general as mathematics, still concerns positive phenomena in general, including phenomena of matter and mind, without depending on special experiences or experiments such

499 https://en.wikisource.org/wiki/A_Neglected_Argument_for_the_Reality_of_God

500 https://en.wikipedia.org/wiki/Giovanni_Papini

501 <https://books.google.com/books?id=DKkWAAAAYAAJ&pg=PA351>

502 <https://en.wikipedia.org/wiki/Nominalism>

503 <https://archive.org/details/beyondrealismant0000hild>

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511 <http://www.cspeirce.com/menu/library/aboutcsp/kasser/psychol.htm>

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as those of optics⁵¹³ and experimental psychology⁵¹⁴, in both of which Peirce was active. See quotes under "Philosophy"⁵¹⁵ at the *Commens Dictionary of Peirce's Terms*. Peirce also harshly criticized the Cartesian approach of starting from hyperbolic doubts rather than from the combination of established beliefs and genuine doubts. See the opening of his 1868 "Some Consequences of Four Incapacities", *Journal of Speculative Philosophy* v. 2, n. 3, pp. 140–157. Reprinted *Collected Papers* v. 5, paragraphs 264–317, *Writings* v. 2, pp. 211–242, and *Essential Peirce* v. 1, pp. 28–55. Eprint⁵¹⁶.

19. Quine 1969
20. *Skepticism and Content Externalism*⁵¹⁷ provides a definition of anti-skepsis
21. Peirce (1902), The Carnegie Institute Application, Memoir 10, MS L75.361-2, *Arisbe* Eprint⁵¹⁸.
22. Peirce, C.S. (1868), "Some Consequences of Four Incapacities", *Journal of Speculative Philosophy* v. 2, n. 3, p p. 140–157, see opening pages. Reprinted *Collected Papers* v. 5, paragraphs 264–317, *Writings* v. 2, pp. 211–242, *Essential Peirce* v. 1, pp. 28–55. Peirce.org [<http://www.peirce.org/writings/p27.html>] Eprint⁵¹⁹.
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26. James 1907, p. 91
27. Sandra B. Rosenthal, *C.I. Lewis in Focus: The Pulse of Pragmatism*, Indiana University Press, 2007, p. 28.
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619 https://en.wikipedia.org/wiki/W.V._Quine

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Surveys

- John J. Stuhr, ed. *One Hundred Years of Pragmatism: William James's Revolutionary Philosophy* (Indiana University Press; 2010) 215 pages; Essays on pragmatism and American culture, pragmatism as a way of thinking and settling disputes, pragmatism as a theory of truth, and pragmatism as a mood, attitude, or temperament.

Important introductory primary texts

Note that this is an introductory list: some important works are left out and some less monumental works that are excellent introductions are included.

- C.S. Peirce, "The Fixation of Belief"⁶³¹ (paper)
- C.S. Peirce, "How to Make Our Ideas Clear"⁶³² (paper)
- C.S. Peirce, "A Definition of Pragmatism" (paper as titled by Menand in *Pragmatism: A Reader*, from *Collected Papers of Charles Sanders Peirce* v. 8, some or all of paragraphs 191–195.)
- William James, *Pragmatism: A New Name for Some Old Ways of Thinking*⁶³³ (especially lectures I, II and VI)
- John Dewey, *Reconstruction in Philosophy*⁶³⁴
- John Dewey, "Three Independent factors in Morals" (lecture published as paper)
- John Dewey, "A short catechism concerning truth"⁶³⁵ (chapter)
- W.V.O. Quine, "Two Dogmas of Empiricism"⁶³⁶. (paper)

Secondary texts

- Cornelis De Waal, *On Pragmatism*

621 https://en.wikipedia.org/wiki/Wikipedia:Manual_of_Style/Layout#Further_reading

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- Louis Menand, *The Metaphysical Club: A Story of Ideas in America*⁶³⁷
- Hilary Putnam, *Pragmatism: An Open Question*
- Abraham Edel, *Pragmatic Tests and Ethical Insights*⁶³⁸
- D.S. Clarke, *Rational Acceptance and Purpose*
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- Louis Menand, ed., *Pragmatism: A Reader* (includes essays by Peirce, James, Dewey, Rorty, others)
- For a discussion of the ways in which pragmatism offers insights into the theory and practice of urbanism, see: Aseem Inam, *Designing Urban Transformation* New York and London: Routledge, 2013.⁶³⁹ ISBN⁶⁴⁰ 978-0415837705⁶⁴¹.

Criticism texts

- Edward W. Younkins, *Dewey's Pragmatism and the Decline of Education*⁶⁴².
- *Pragmatism*⁶⁴³, Ayn Rand Lexicon.
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1.13 External links

Look up *pragmatism*⁶⁷⁹ in Wiktionary, the free dictionary.

Wikiquote has quotations related to: *Pragmatism*⁶⁸⁰

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- A short film about the pragmatist revival⁶⁹⁴ on YouTube⁶⁹⁵

Journals and organizations There are several peer-reviewed journals dedicated to pragmatism, for example

- Contemporary Pragmatism⁶⁹⁶, affiliated with the International Pragmatism Society⁶⁹⁷
- European Journal of Pragmatism and American Philosophy⁶⁹⁸, affiliated with the Associazione Culturale Pragma (Italy)⁶⁹⁹
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- Pragmatism Today⁷⁰², journal of the Central European Pragmatist Forum (CEPF)⁷⁰³
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Other online resources and organizations

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- Centro de Estudos sobre Pragmatismo (CEP)⁷¹² — Center for Pragmatism Studies (CPS)⁷¹³ (Brazil)
- Charles S. Peirce Studies⁷¹⁴
- Dutch Pragmatism Foundation⁷¹⁵
- Helsinki Peirce Research Center⁷¹⁶ (Finland), including:
 - Commens Dictionary of Peirce's Terms⁷¹⁷ — see Pragmatism⁷¹⁸, Pragmaticism⁷¹⁹, and Pragmatism: Maxim of⁷²⁰
- Institute for American Thought⁷²¹
- John Dewey Society⁷²²
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 1 Brianlenz⁴⁹
 1 Bryan Derksen⁵⁰
 1 Bull on Steroids⁵¹
 1 Buridan⁵²
 2 BurkeFT⁵³
 2 Burkett⁵⁴
 3 Byelf2007⁵⁵
 1 CLCStudent⁵⁶
 1 CambridgeBayWeather⁵⁷
 1 Camembert⁵⁸
 1 CarsracBot⁵⁹
 1 Chalst⁶⁰
 2 Chris the speller⁶¹
 18 Christofurio⁶²
 4 Citation bot⁶³
 2 Clairebaer⁶⁴
 1 Clicketyclack⁶⁵
 2 ClueBot⁶⁶
 14 ClueBot NG⁶⁷
 3 CmdrObot⁶⁸
 6 Coffeepusher⁶⁹
 1 Cohesion⁷⁰
 1 Constant Parrhesia⁷¹

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1 Crònica ~ enwiki⁷³
1 D'ohBot⁷⁴
3 DARTH SIDIOUS_2⁷⁵
3 DCDuring⁷⁶
1 DNewhall⁷⁷
5 Daffyd ap Morgen⁷⁸
1 Dalba⁷⁹
1 Damian Yerrick⁸⁰
1 Dangph⁸¹
1 Darrell Greenwood⁸²
1 DarthKilljoy⁸³
1 Davewild⁸⁴
1 Daviddwd⁸⁵
1 Davide King⁸⁶
1 Davidsclarke⁸⁷
1 DerHexer⁸⁸
1 DickClarkMises⁸⁹
1 Diderot1~enwiki⁹⁰
1 Diego Moya⁹¹
1 Disavian⁹²
4 Djadventure⁹³
1 Dminor1042⁹⁴
2 Donner60⁹⁵
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 1 Earcanal¹⁰⁰
 1 Earthliberator¹⁰¹
 2 Edward¹⁰²
 1 EfBrazil¹⁰³
 1 Elchupachipmunk¹⁰⁴
 1 EmausBot¹⁰⁵
 2 Enigma00¹⁰⁶
 2 Epbr123¹⁰⁷
 3 Eric.dane~enwiki¹⁰⁸
 1 Eric9876¹⁰⁹
 10 Errantius¹¹⁰
 1 Esszet¹¹¹
 3 FT2¹¹²
 1 FaheyCM¹¹³
 1 FairuseBot¹¹⁴
 1 Fanghong~enwiki¹¹⁵
 1 Fastily¹¹⁶
 1 Feathers5132¹¹⁷
 2 Fightindaman¹¹⁸
 1 Fighting Poverty¹¹⁹
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1 Frank Romein~enwiki¹²³
4 Freeknowledgecreator¹²⁴
3 FrescoBot¹²⁵
1 Funandtrvl¹²⁶
1 Furrykef¹²⁷
1 GZ-Bot¹²⁸
1 Gamermadness¹²⁹
1 Gary Seven¹³⁰
1 Gdr¹³¹
1 Gecko~enwiki¹³²
1 Gedavis¹³³
1 Gengiskanhg¹³⁴
1 Gilo1969¹³⁵
2 Gioto¹³⁶
1 Girl2k¹³⁷
1 Glacialfrost¹³⁸
1 Glen¹³⁹
3 Gmaddal¹⁴⁰
1 Goethean¹⁴¹
1 Good Olfactory¹⁴²
2 Gorthian¹⁴³
1 Govertvalkenburg¹⁴⁴
1 GraemeL¹⁴⁵
2 Graham11¹⁴⁶

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- 1 GrouchoBot¹⁴⁹
- 1 Grunge6910¹⁵⁰
- 1 Hammersoft¹⁵¹
- 1 HapHaxion¹⁵²
- 1 Happysailor¹⁵³
- 2 Havardj¹⁵⁴
- 1 Heah¹⁵⁵
- 1 Helpful Pixie Bot¹⁵⁶
- 1 Herk1955¹⁵⁷
- 1 Heron¹⁵⁸
- 1 Hilde45¹⁵⁹
- 1 Hmains¹⁶⁰
- 1 HunTheGoaT¹⁶¹
- 1 Hut 8.5¹⁶²
- 1 Hyacinth¹⁶³
- 1 I am One of Many¹⁶⁴
- 2 Ima Groinitch¹⁶⁵
- 2 Imnotoneofyou¹⁶⁶
- 1 Inarcadiaego¹⁶⁷
- 3 InedibleHulk¹⁶⁸
- 1 Infinity0¹⁶⁹
- 8 InternetArchiveBot¹⁷⁰
- 1 Inwind¹⁷¹

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1 Itai¹⁷³
1 Ixfd64¹⁷⁴
1 IznoRepeat¹⁷⁵
1 J.delanoy¹⁷⁶
2 JAnDbot¹⁷⁷
1 JEN9841¹⁷⁸
1 JaGa¹⁷⁹
1 Jackol¹⁸⁰
2 Jafro¹⁸¹
1 Jamesx12345¹⁸²
1 Jamzze¹⁸³
2 Jasperdoomen¹⁸⁴
1 Jdscotch¹⁸⁵
9 Jengirl1988¹⁸⁶
2 Jens Meiert¹⁸⁷
5 Jeraphine Gryphon¹⁸⁸
1 JeremyA¹⁸⁹
1 Jermmerc¹⁹⁰
1 Jj1236¹⁹¹
1 JodiSandfort¹⁹²
1 Joe House¹⁹³
1 Joeblakesley¹⁹⁴
1 John of Reading¹⁹⁵
1 John254¹⁹⁶

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75 Jon Awbrey¹⁹⁸
1 Jonkerz¹⁹⁹
1 Joshua989898²⁰⁰
1 Joxemai²⁰¹
4 Jprg1966²⁰²
1 Jraitala~enwiki²⁰³
1 Jstnparsons²⁰⁴
1 Jumbuck²⁰⁵
1 Justin15w²⁰⁶
1 Jwissick²⁰⁷
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1 KConWiki²⁰⁹
1 KYPark²¹⁰
1 Kalibhakta²¹¹
2 Karol Langner²¹²
1 Karthik Lakshman1999²¹³
1 KasparBot²¹⁴
1 Kcallan16²¹⁵
2 Kenneth M Burke²¹⁶
1 Kentfowl²¹⁷
1 Kevinmon²¹⁸
1 KeyLime 23²¹⁹
1 Khalid hassani²²⁰
1 Kharkiv07²²¹

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1 Lightbot²³⁶
1 Locaracle²³⁷
2 Lockfoot²³⁸
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1 Lucidish²⁴²
1 LucienBOT²⁴³
1 Luckas-bot²⁴⁴
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 3 Magioladitis²⁵²
 1 Mahagaja²⁵³
 1 Makemi²⁵⁴
 1 Maksus33²⁵⁵
 1 Manuel Anastácio²⁵⁶
 3 Marcus Brute²⁵⁷
 3 Marek69²⁵⁸
 1 Mark Ironie²⁵⁹
 4 Martarius²⁶⁰
 1 MartinBot²⁶¹
 3 Materialscientist²⁶²
 1 Matthew Fennell²⁶³
 1 Matthew Yeager²⁶⁴
 1 Matvio16²⁶⁵
 1 Maunus²⁶⁶
 1 Maurice Carbonaro²⁶⁷
 1 Mayisgood523²⁶⁸
 1 Mayur²⁶⁹
 1 Mdd²⁷⁰
 2 Me, Myself, and I are Here²⁷¹

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