

- Search criterion
 Boolean, 120
 probabilistic, 343
 vector model, 124
 weighted, 123
- Search for information, 61
- Search language, 62
- Search process, 61
- Search request, 37
- Searching
 analysis, 61, 62
 goal, 310
 nature, 61
 time, 201
- Secondary storage, 204
- Segre, E., 51, 67
- Selective dissemination of information, 72
- Selective feedback, 244
 for dynamic collection, 252
 for static collection, 249
- Semantic component, 92
- Semantic networks, 340, 341
- Sequential access, 202
- Sequential file, 202, 203
- Set of basic values of CSC, 277
- Shannon, C. E., 41, 42, 43, 44, 50
- Shapiro, J., 50, 82, 88, 127, 134, 185, 198,
 199, 224, 242, 249, 258, 344, 353, 356
- Shaw, W. M., 281, 316
- Shu, L. C., 281, 315
- Significant words, 156, 157
- Single valued measures. *See* Complex search
 characteristic
- SMART system, 123
- Soergel, D., 35, 49, 135, 163, 165
- Space of controlling actions, 16
- Spark-Jones, K., 157, 164, 165, 246, 281,
 316, 357.
- Species, 2
- Spink, A., 168, 199
- Stabilization, 18
- State of system, 7
- State space, 8
- State space of system, 8
- Static collection, 227
- Stem, 144
- Stemming algorithm, 144
- Stop list, 150
- Stop-words, 112
- Structure, 23
- Structure creation stage, 23
- Subrequest, 176
- Subsystem, 3, 5
- Suffix, 144
- Swanson, D. R., 157, 164
- Synonym, 148
- System, 1, 2, 8
 definition, 2, 3
 notion, 1
- System design, 22
- System element, 3
- Systems analysis, 163
- Systems approach, 1, 4
- Systems point of view, 4, 23
- T**
- Tanimoto, S. L., 338, 357
- Taube, M., 99, 199, 101, 102, 112-16, 134
- Term-document matrix, 186
- Text analysis, 143
- Thesaurus, 159
- Thompson, R. H., 168, 198
- Track, 206
- Translation, 338
- Tritschler, R. J., 117, 135
- Tucker, A. B., 339, 357
- Type, 2
- Types of documents, 39
- Types of IN, 36
- U**
- Ulmseider, J., 180, 198, 199, 249, 258
- Uniterm, 99
- User, 34
- User behavior, 35
- User's evaluation of the output, 85
- V**
- Vakkari, P., 59, 67, 68, 88
- van Rijsbergen, C. J., 64, 67, 138, 145, 164,
 165, 246, 258, 285, 288, 289, 316, 324,
 334
- Variable length record, 216
- Veal, D. C., 174, 198
- Vocabulary, 97
- Voiskunskii, A. E., 92, 135
- Voiskunskii, V. G., 35, 50, 78, 88, 152, 164,
 168, 178, 179, 183, 185, 198, 199, 200,
 224, 229, 230, 234, 242, 245, 246, 249,
 258, 280, 281, 282, 316, 317, 320, 321,
 324, 334, 344, 356
- von Bertalanffy, 3, 25, 26
- Voorhees, E., 182, 199, 224, 233
- W**
- Wartik, S., 212
- Waschel, I. S., 99, 134,
- Watt, B. K., 174, 198
- Weaver, W., 41, 42, 50
- Weighted terms, 117
- Whole, 2
- Whole function, 3
- Wiener, N., 4, 15, 21, 22, 26, 41, 42, 43, 44,
 50, 57, 67, 222
- Wimograd, T., 339, 357
- Winston, P. H., 336, 357
- Word combination, 148
- Wu, H., 182, 199, 200
- Wyllys, R. E., 157, 164
- Y**
- Yang, C. S., 165,
 Yang, Y., 343, 357
- Z**
- Zahir, S., 343, 357
- Zoellick, B., 212, 214, 221
- Zones, 176, 193
- Zurada, J. M., 342, 357