



Center for Research Libraries (CRL) and Linda Hall Library (LHL) of Science, Engineering and Technology Global Resources Partnership's Collection Development Policy for Serials

The Center for Research Libraries (CRL) and Linda Hall Library (LHL) of Science, Engineering and Technology Global Resources Partnership's primary focus for collection development is to identify, select, manage and preserve collections that support the Partnership's mission to ensure the availability of the knowledge resources vital to research and learning in the sciences and to act as a guardian of the collective intellectual heritage with regard to the science, technology, and engineering disciplines.

Despite the current ubiquitous abundance of information, no single research library, no matter how well endowed, can obtain comprehensive coverage of multiple disciplines, formats and specializations. The Center for Research Libraries (CRL) and Linda Hall Library (LHL) of Science, Engineering and Technology (STE) Global Resources Partnership was developed in order to combine the rich information resources of the two organizations into a single preeminent collection of STE materials. Selectivity is a central tenet of collection development for the 21st century. The CRL LHL Partnership focuses on preserving the print resources of the shared collections and will target specific areas to continue to develop into the future. This policy document focuses on the future collecting priorities of the Partnership.

This Policy identifies the selection principles as they apply to building the Partnership's serial collections. The Policy's subject statements describe the breadth and depth of subject coverage and the levels of collecting currently in effect. Taken as a whole, the Policy is a reflection of the Partnership's goals: to ensure the availability of the knowledge resources vital to research and learning in the sciences, and to act as guardian of the collective intellectual heritage with regard to science, technology, and engineering disciplines. It documents how and why the Partnership builds collections and provides a vehicle for communicating this information to the Library community.

Materials will be selected and retained for the collection based on the following principles:

The collection policy emphasizes the acquisition of print journals and other serial publications. Monographs, conference proceedings, indexes and abstracts, documents, technical reports, and other reference materials are also acquired to support the journal collection. To this end there will be a separate collections policies for books and serials.

All information resources will be evaluated according to the standards of authority, comprehensiveness, validity, language/geographical areas presented in the Collection Development Policy Subject Statements. As appropriate, the additional criteria for selecting and retaining materials will be applied in selection and retention decisions.

Note: This set of policies governs the future development of the shared resources of the Center for Research Libraries and Linda Hall Library of Science, Engineering and Technology Global Resources Partnership. There may still be local decisions made regarding collection management that do not fall within the scope of this policy. The current levels for collection development reflect current business models and available funding. Future changes in the funding and or business models would require a review of the collecting levels.

**Center for Research Libraries (CRL) and Linda Hall Library (LHL) of Science,
Engineering and Technology Global Resources Partnership's Collection
Development Policy for Serials**

Areas of Excellence:

The following subjects should be considered areas of special emphasis based upon an analysis of the combined serials holdings of the Center for Research Libraries (CRL) and Linda Hall Library (LHL) with serial holdings from the top twenty libraries in the rankings from the Association for Research Libraries and from the Universities with the top Science, Technology and Engineering programs from US News and World Reports rankings. These subject areas are of exceptional strength within the LHL and CRL Collections and represent the most important for future collecting activities:

Analytical Mechanics	QA 801-9999
Experimental Mechanics	QC 120-169
Constitution & Properties of Matter	QC 170-197
Physics, General	QC 1-80
Acoustics, Sound	QC 220-246
Heat	QC 251-339
Optics, Light, Radiation	QC 350-499
Electricity, Magnetism, Nuclear Physics	QC 501-766
Geophysics, Geomagnetism	QC 800-849
Inorganic Chemistry, General	QD 146-240
Chemistry, General	QD 1-70
Organic Chemistry, General	QD 241-449
Analytical Chemistry	QD 71-145
Crystallography	QD 900-9999
Physical & Theoretical Chemistry	QD450-899
General Technology	T
General Engineering	TA
Hydraulic Engineering	TC
Highway Engineering	TE
Railroad Engineering	TF
Bridge Engineering	TG
Building Construction	TH
Mechanical Engineering & Machinery	TJ
Electrical Engineering	TK
Motor Vehicles, Aeronautics, Astronautics	TL
Mining Engineering & Metallurgy	TN
Chemical Technology	TP
Manufactures	TS

Foreign language Areas of Excellence:

Several language areas should be considered areas of special emphasis based upon an analysis of the combined serial holdings in these languages of the Center for Research Libraries and Linda Hall Library with serial holdings from the top twenty libraries in the rankings from the Association for Research Libraries and from the Universities with the top Science, Technology and Engineering programs from US News and World Reports rankings. There are several language areas that represent unique collections. The percentages are based on comparing the combined total holdings of the three groups. In simple terms the Bulgarian serial titles held by CRL and LHL are equal to 93% of all the Bulgarian serials held by all twenty of the top ARL libraries. The strongest language will vary depending on the subject area.

Unique Titles:

The combined serial holdings of CRL and LHL represent a collection that contains a significant amount of rare and unique titles. This is especially true in the foreign language areas. For example, in the field of Chemistry, for titles in the Russian language, the unique titles held by CRL and LHL represents 37% of all the unique titles held in the top STE libraries. Another very important consideration is that the average number of holding libraries worldwide for those unique titles held at CRL/LHL was four. The next closest organization for the number of unique titles was the Northern California Regional Repository. These unique titles are important assets that must be preserved for the good of the community.

Distribution of Unique Chemistry Titles in Russian Among Top STE Libraries	
CRL LHL	37%
Northern California Regional Repository	32%
University of California, Berkeley	9%
Massachusetts Institute of Technology	8%
University of Illinois	3%
University of Washington	2%
University of Chicago	2%
University of Michigan	2%
Cornell University	2%
Stanford University	2%

Titles archived in WEST, Portico, CLOCKSS:

The highest priority for work associated with establishing the combined CRL and LHL serials collections as a print repository of record should be serial titles that have not yet been archived in WEST or a similar trusted print repository. To a much lesser degree, the digital repositories of Portico and CLOCKSS should also be a consideration. Serials that to date have not been archived are those that are most at risk and should receive archival treatment from CRL and LHL first. As the most at risk titles are processed those that already have some archival support can be addressed. Future development of the collections should build on the strengths of the print repository based on the collecting levels identified in this document.

Future collections priorities may not be based on considerations of where the title is archived, but strong CRL LHL holdings should be considered when making retention decisions especially in the at risk areas of global resources.

External indicators of Quality:

There are many factors that can be reviewed when looking at data that attempts to assess quality of journals. These factors will have less impact on the development of the print archive and will have more influence on how the future collection is managed. For many STE journals the impact factor has been an accepted ranking for the “impact” or the quality of a journal. The Eigenfactor is similar to the impact factor but is weighted based on the significance of the articles citing other articles. There is a great deal of discussion about these measures and new “altmetrics” are being developed but at this time they are not to the point of being useful when developing collections policy. Impact factor remains the accepted means of ranking the importance of journals.

Peer review and if /where a journals is indexed are also considerations. Journals that support a process of peer review and editorial oversight are considered to be of higher quality than journals that lack the same levels of review. Also, journals that are indexed are similarly considered to be more important than journals that are not covered in an index. Indexers tend to select journals that users are interested in and by indexing the journal more users can find the content and make use of it.

Quality indicators are a consideration but these quality indicators have their limitations as not all journals are going to be covered by ISI and an impact factor assigned and many foreign language journals are not covered by ISI or many other index producers. The CRL LHL serials holdings are very rich in areas that are not covered well and these areas should not be denigrated due to lack quality data.

External indicators of quality are important consideration especially when making collection decisions regarding retention of journals produced by mainstream US publishers, but the areas of excellence outlined above should be the important considerations in developing the collections into the future.

Publishers / Relationship with Professional Societies:

The partnership and in particular Linda Hall Library has had a very active history with collaborations with professional societies. These have created rich collections in associated subject areas. These relationships will be important to help maintain areas of importance. Publications from the professional societies listed below should be considered as areas of excellence, equally important as the subject areas listed earlier that are considered to be areas of excellence.

AGA – American Gas Association

AIAA - American Institute of Aeronautics and Astronautics

AIChE - American Institute of Chemical Engineers

AIME (now The American Institute of Mining, Metallurgical, and Petroleum Engineers)

ASCE - American Society of Civil Engineers

ASME - American Society of Mechanical Engineers

Collecting Levels for Serials:

OUT OF SCOPE (0): The library does not intentionally collect in this subject.

MINIMAL LEVEL (1): A subject area in which few selections are made beyond very basic works. A very limited collection of materials consisting of monographs and reference works with only a few periodicals directly dealing with this topic. A collection at this level should be frequently and systematically reviewed for currency of information. Classic or standard retrospective materials are retained.

BASIC INFORMATION LEVEL (2): A selective collection of materials that serves to introduce and define a subject and to indicate the varieties of information available elsewhere. Provides a historical description of the subject's development and provides general works devoted to major topics and figures in the field. The introductory level of a basic information collection is only sufficient to support patrons attempting to locate general information about a subject. It includes a limited collection of monographs and reference works. It may include dictionaries, encyclopedias, selected editions of important works, historical surveys, bibliographies, handbooks, and major or representative general periodicals. The collection is frequently and systematically reviewed for currency of information. All materials may be retained.

SYSTEMATIC STUDY LEVEL (3): A collection that is adequate to impart and maintain knowledge about a subject in a systematic way but at a level of less than research intensity. The collection includes an extensive collection of general monographs and reference works and selected specialized general monographs and reference work; an extensive collection of general periodicals and a representative collection of specialized periodicals; limited collections of appropriate foreign language materials--e.g., foreign language learning materials for non-native speakers or foreign language materials about a topic such as German history in German; extensive collections of the works of better-known authors and selections from the works of lesser-known authors. The collection includes a wide range of basic works in appropriate formats, a significant number of classic retrospective materials, complete collections of the works of more important writers, selections from the works of secondary writers, a selection of representative journals, and the reference tools and fundamental bibliographical apparatus pertaining to the subject. The collection includes the most important primary and secondary literature. At the systematic study support level, a collection is adequate to support independent study and most learning needs of the clientele of public and special libraries. The collection is systematically reviewed for currency of information and to assure that all essential and significant information is retained, including all significant retrospective materials.

RESEARCH LEVEL (4): A collection that includes a very extensive collection of general and specialized monographs and reference works; a very extensive collection of general and specialized periodicals; extensive collections of foreign language materials; extensive collections of the works of well-known authors as well as other important but lesser-known authors. A collection that includes the major published source materials required for any independent research, including materials containing research reporting, new findings, scientific experimental results, and other information useful to researchers. It is intended to include all important reference works and a wide selection of specialized monographs, as well as a very extensive collection of journals and major indexing and abstracting services in the field. A collection in which the library endeavors, to include all significant works published works in all applicable languages, for a necessarily defined and limited field. Older material is retained

for historical research and actively preserved. A collection at this level supports doctoral and other types of original research and represents a collection of special interest to the larger library community.

COMPREHENSIVE LEVEL (5): A collection which, so far as is reasonably possible, includes all significant works of recorded knowledge (publications, manuscripts, and other forms), in all applicable languages, for a necessarily defined and limited field. This level of collecting intensity is one that maintains a "special collection." The aim, if not achievement, is exhaustiveness. Older material is retained for historical research. In law collections, this includes manuscripts, dissertations, and material on non-legal aspects.

Note that since the focus of the CRL/LHL partnership is on print journals, no collections will rise to the level of comprehensive since exhaustive collections of monographs, manuscripts, and other types of archival materials characteristic of a comprehensive collection are not actively acquired and preserved by the partnership.

Collection Management Policy for the Biological Sciences

- **Types of Materials Collected:** The major types of publications collected are all types of journals and periodicals, indexes, and directories. The Biological Sciences are collected at a basic level: consequently, government publications, maps, conference proceedings, theses, dissertations, and field/technical reports are acquired very selectively. All audio/visual materials, all electronic media, all reprints and preprints on paper are excluded.
- **Imprint Dates Collected:** The collections of the partnership provide a deep and rich print archive. Current publications are collected in the Biological Sciences to maintain a basic, selective collection of materials that serves to introduce and define the subject area. There is no exclusion of imprints dates.
- **Chronological Focus:** Collections will be managed to provide the widest possible coverage and to support the archive.
- **Languages Collected:** The collections of the Partnership provide support for many foreign language areas. Each subject area has several areas of excellence. To support these areas, collections should continue to be acquired, as much as possible, in these language areas recognizing that a basic level collection will primarily be in the English language. The ranked list follows:

Bulgarian
Russian
Croatian
Ukrainian
Polish
Romanian
Czech
Slovak
Dutch
French
Italian
German
Danish
Chinese
Serbian
Japanese
Hungarian
English
Portuguese
Spanish

- **Place of Publication:** Place of publication will be parallel to the language area.

- **Interdisciplinary Factors:** Most biological research does not lend itself to classification under a single subject within the discipline, but, instead, draws on a number of sub-disciplines. The fields of biophysics, biochemistry, biostatistics, neurophysiology and animal behavior overlap into areas covered by the collections in physics, chemistry, mathematics and statistics, psychology and anthropology. For the purposes of this policy framework, subject areas will be assigned a collecting level based on the primary Library of Congress Classification and broad areas are assigned collecting levels based on that classification and not on interdisciplinary relationships.

Subject and Collection Levels

Biological Sciences	LC CLASS	COLLECTING LEVEL
Animal Behavior, Anatomy	QL 750-9999	1
Biology, General	QH 300-425	2
Birds	QL 670-699	2
Botany, General	QK 1-474.5	2
Botany, Specific Fields	QK 474.8-639	2
Chordates - Vertebrates	QL 600-613	2
Cytology	QH 573-699	2
Ecology	QH 540-572	2
Economic Biology	QH 700-9999	2
Fishes	QL 614-639.8	2
Genetics	QH 426-470	2
Invertebrates	QL 360-599.82	2
Mammals	QL 700-749	2
Microbiology	QR 1-189.5	2
Microscopy	QH 200-299	2
Natural History	QH 1-199	2
Plant Anatomy	QK 640-709	2
Plant Ecology	QK 900-9999	2
Plant Physiology	QK 710-899	2
Reproduction & Life	QH 471-530	2
Reptiles & Amphibians	QL 640-669.3	2
Virology	QR 190-9999	1
Zoology, General	QL 1-359	2

Collection Management Policy for Chemistry

- **Types of Materials Collected:** The major types of publications collected are all types of journals and periodicals, conference proceedings, indexes, and directories. Government publications, maps, theses, dissertations, and technical reports are acquired selectively. All audio/visual materials, all electronic media, all reprints and preprints on paper are excluded
- **Imprint Dates Collected:** The collections of the partnership provide a deep and rich print archive. Current publications are collected in order to maintain excellence in areas of strength. There is no exclusion of imprints dates.
- **Chronological Focus:** Collections will be managed to provide the widest possible coverage and to support the archive.
- **Languages Collected:** The collections of the Partnership provide support for many foreign language areas. Each subject area has several areas of excellence. To support these areas collections should continue to build in these language areas. The ranked list follows:

Dutch
Polish
Russian
Hungarian
Czech
Bulgarian
Ukrainian
Romanian
Japanese
Italian
Hindi
French
Chinese
Croatian
Spanish
German
English
Portuguese

- **Place of Publication:** Place of publication will be parallel to the language area.
- **Interdisciplinary Factors:** There are many interdisciplinary relationships in the areas of the sciences. Examples in Chemistry include biochemistry, materials science, nanosciences, macromolecular science, crystallography, medicinal chemistry and physical chemistry/chemical physics. For the purposes of this policy framework, subject areas will be assigned a collecting level based on the primary Library of Congress Classification and broad areas are assigned collecting levels based on that classification and not on interdisciplinary relationships. Thus, medicinal chemistry would be

classed in the RM areas and would not be given the high collecting level assigned to most of chemistry.

Subject and Collection Levels

Chemistry	LC CLASS	COLLECTING LEVEL
Analytical Chemistry	QD 71-145	4
Chemistry, General	QD 1-70	4
Crystallography	QD 900-9999	4
Inorganic Chemistry, General	QD 146-240	4
Organic Chemistry, General	QD 241-449	4
Physical & Theoretical Chemistry	QD450-899	4

Collection Management Policy for Computer Science

- **Types of Materials Collected:** The major types of publications collected are all types of journals and periodicals, indexes, and directories. The Computer Science area is collected at a basic level, consequently government publications, maps, conference proceedings, theses, dissertations, and technical manuals are acquired very selectively. All audio/visual materials, all electronic media, all reprints and preprints on paper are excluded.
- **Imprint Dates Collected:** The collections of the partnership provide a more selective print archive as compared to other subjects. Current publications are collected in the Computer Science to maintain a basic, selective collection of materials that serves to introduce and define the subject area. There is no exclusion of imprints dates.
- **Chronological Focus:** Collections will be managed to provide the widest possible coverage and to support the archive.
- **Languages Collected:** The collections of the Partnership provide support for many foreign language areas. Each subject area has several areas of excellence. To support these areas collections should continue to acquire materials in these language areas recognizing that a basic level collection would be primarily an English language collection. The ranked list follows:

Polish
Ukrainian
Croatian
Czech
Russian
German
French

- **Place of Publication:** Place of publication will be parallel to the language area.
- **Interdisciplinary Factors:** Computer Science is a fairly new discipline consequently aspects of the subject are treated in many other disciplines including the physical sciences and engineering. For the purposes of this policy framework, subject areas will be assigned a collecting level based on the primary Library of Congress Classification and broad areas are assigned collecting levels based on that classification and not on interdisciplinary relationships.

Subject and Collection Levels

Computer Science	LC CLASS	COLLECTING LEVEL
Computer Networks	QA 75 - 76.5	2
Computer Programming & Languages	QA 75 - 76.5	2
Computer Science – General	QA 75 - 76.5	2
Computer Software	QA 75 - 76.5	1
Computers, General	QA 75 - 76.5	2
Cybernetics	Q 300 - 349	2
Machine Theory, Abstract Automata	QA 75 - 76.5	2
Management Information Systems	T 58.5 -58.62	2
Modeling & Simulation	TK 7885-7895	2
Office Automation	HF 5546-5548.6	2
Online Data Processing	T 58.5 -58.62	1
Optical Data Processing	TK 7885-7895	2
Special Computers & Systems	QA 75 - 76.5	2
Special Topics in Computer Science	QA 75 - 76.5	2

Collection Management Policy for Engineering & Technology

- **Types of Materials Collected:** The major types of publications collected are all types of journals and periodicals, conference proceedings, indexes, and directories. Government publications, maps, theses, dissertations, and technical reports are acquired very selectively. All audio/visual materials, all electronic media, and all reprints and preprints on paper are excluded.
- **Imprint Dates Collected:** The collections of the partnership provide a deep and rich print archive. Current publications are collected in order to maintain excellence in areas of strength. There is no exclusion of imprints dates.
- **Chronological Focus:** Collections will be managed to provide the widest possible coverage and to support the archive.
- **Languages Collected:** The collections of the Partnership provide support for many foreign language areas. Each subject area has several areas of excellence. To support these areas collections should continue to build in these language areas. The ranked list follows:

Hindi
Bulgarian
Polish
Romanian
Czech
Hungarian
Russian
Japanese
Slovak
Croatian
Ukrainian
Dutch
Serbian
Italian
German
Danish
French
Chinese

- **Place of Publication:** Place of publication will be parallel to the language area.
- **Interdisciplinary Factors:** There are many interdisciplinary relationships in the areas of the sciences. There are many areas in the physical sciences and geosciences that are interdependent with areas in engineering. For the purposes of this policy framework, subject areas will be assigned a collecting level based on the primary Library of Congress Classification and broad areas are assigned collecting levels based on that classification and not on interdisciplinary relationships.

Subject and Collection Levels

Engineering & Technology	LC CLASS	COLLECTING LEVEL
Bridge Engineering	TG	4
Building Construction	TH	4
Chemical Technology	TP	4
Domestic Engineering	TX	1
Electrical Engineering	TK	4
Environmental Technology	TD	3
General Engineering	TA	4
General Technology	T	4
Handicrafts, Arts & Crafts	TT	1
Highway Engineering	TE	4
Hydraulic Engineering	TC	4
Manufactures	TS	4
Mechanical Engineering & Machinery	TJ	4
Military Engineering	UG 1-159	2
Mining Engineering & Metallurgy	TN	4
Motor Vehicles, Aeronautics, Astronautics	TL	4
Naval Architecture, Shipbuilding, etc.	VM 1-14	2
Navigation, Merchant Marine	VK 15 - 124	1
Printing	Z 4-659	1
Railroad Engineering	TF	4

Collection Management Policy for Geography & Earth Sciences

- **Types of Materials Collected:** The major types of publications collected are all types of journals and periodicals, indexes, and directories. Government publications, maps, conference proceedings, theses, dissertations, and field and technical reports are acquired very selectively. All audio/visual materials, all electronic media, all reprints and preprints on paper are excluded
- **Imprint Dates Collected:** The collections of the partnership provide a deep and rich print archive. Current publications are collected in order to maintain excellence in areas of strength. There is no exclusion of imprints dates.
- **Chronological Focus:** Collections will be managed to provide the widest possible coverage and to support the archive.
- **Languages Collected:** The collections of the Partnership provide support for many foreign language areas. Each subject area has several areas of excellence. To support these areas, collections should continue to be acquired, as much as possible, in these language areas recognizing that a basic level collection will primarily be in the English language. The ranked list follows:

Bulgarian
Russian
Romanian
Slovak
Czech
Polish
Ukrainian
Hungarian
Serbian
Italian
German
Japanese
French
Danish
Dutch
Croatian
English

- **Place of Publication:** Place of publication will be parallel to the language area.
- **Interdisciplinary Factors:** For the purposes of this policy framework, subject areas will be assigned a collecting level based on the primary Library of Congress Classification and broad areas are assigned collecting levels based on that classification and not on interdisciplinary relationships.

Subject and Collection Levels

Geography & Earth Sciences	LC CLASS	COLLECTING LEVEL
Atlases. Globes	G 1000-3179	0
Cartography	GA 1-9999	1
Dynamic & Structural Geology	QE 500-625	1
Environmental Sciences	GE	1
Geography, General	G 1-999	1
Geology, General	QE 1-350	1
Geomorphology	GB 400-649	1
Geophysics, Geomagnetism	QC 800-849	4
Hydrology	GB 651-4999	2
Maps	G 3180-9999	1
Mathematical Geography	GA 1-9999	1
Meteorology	QC 850-974	3
Mineralogy	QE 351-399	1
Natural Disasters	GB 5000-9999	1
Oceanography	GC	1
Paleontology	QE 700-760	1
Paleozoology, Paleobotany, Palynology	QE 761-9999	1
Petrology	QE 400-499	1
Physical Geography	GB 3-399	1
Regional Geology	QE 1-350	1
Stratigraphy	QE 640-699	1

Collection Management Policy for Mathematics

- **Types of Materials Collected:** The major types of publications collected are very basic journals and periodicals with very selective indexes and directories. Government publications, maps, conference proceedings, theses, dissertations, and technical reports are acquired very selectively. All audio/visual materials, all electronic media, all reprints and preprints on paper are excluded
- **Imprint Dates Collected:** The collections of the partnership provide a deep and rich print archive. Current publications are collected in order to maintain excellence in areas of strength. There is no exclusion of imprints dates.
- **Chronological Focus:** Collections will be managed to provide the widest possible coverage and to support the archive.
- **Languages Collected:** The collections of the Partnership provide support for many foreign language areas however, Mathematics is only collected at the minimal level and the collection will primarily be in the English language.
- **Place of Publication:** Place of publication will be parallel to the language area.
- **Interdisciplinary Factors:** For the purposes of this policy framework, subject areas will be assigned a collecting level based on the primary Library of Congress Classification and broad areas are assigned collecting levels based on that classification and not on interdisciplinary relationships.

Subject and Collection Levels

Mathematics	LC CLASS	COLLECTING LEVEL
Algebra	QA 150-272	1
Geometry, Topology	QA 440-800	1
Mathematical Analysis	QA 299-439	1
Mathematics, General	QA 1-100	1
Numeration, Arithmetic, Elementary Math	QA 101-149	0
Probabilities, Math. Stats., Interpolation	QA 273-298	1

Collection Management Policy for the Physical Sciences

- **Types of Materials Collected:** The major types of publications collected are all types of journals and periodicals, conference proceedings, indexes, and directories. Government publications, maps, theses, dissertations, and technical reports are acquired very selectively. All audio/visual materials, all electronic media, all reprints and preprints on paper are excluded.
- **Imprint Dates Collected:** The collections of the partnership provide a deep and rich print archive. Current publications are collected in order to maintain excellence in areas of strength. There is no exclusion of imprints dates.
- **Chronological Focus:** Collections will be managed to provide the widest possible coverage and to support the archive.
- **Languages Collected:** The collections of the Partnership provide support for many foreign language areas. Each subject area has several areas of excellence. To support these areas collections should continue to build in these language areas. The ranked list follows:

Bulgarian
Russian
Romanian
Japanese
Polish
Hindi
Hungarian
Ukrainian
Czech
German
Serbian
Dutch
Italian
French
English

- **Place of Publication:** Place of publication will be parallel to the language area.
- **Interdisciplinary Factors:** There are many interdisciplinary relationships in the areas of the physical sciences. Examples include: materials science, nanosciences, macromolecular science, crystallography, and physical chemistry/chemical physics. For the purposes of this policy framework, subject areas will be assigned a collecting level based on the primary Library of Congress Classification and broad areas are assigned collecting levels based on that classification and not on interdisciplinary relationships.

Subject and Collection Levels

Physical Sciences	LC CLASS	COLLECTING LEVEL
Acoustics, Sound	QC 220-246	4
Analytical Mechanics	QA 801-9999	4
Astronomy	QB	2
Chronology	CE 1-20	1
Constitution & Properties of Matter	QC 170-197	4
Electricity, Magnetism, Nuclear Physics	QC 501-766	4
Experimental Mechanics	QC 120-169	4
Heat	QC 251-339	4
Optics, Light, Radiation	QC 350-499	4
Physics, General	QC 1-80	4
Science, General	Q	3
Weights & Measures	QC 81-114	2