

## *Slavic Collections in the ...*

### **Mathematics and Statistics Library**

The most important and richest collection of Slavic and East European science material is held in the **Mathematics and Statistics Library**. Serials represent a major portion of this collection. Unlike other science libraries on the campus most of the bound serials and monographs are shelved in the library rather than storage. Many of the mathematics journals are available both in Russian and English version. The mathematics journals in English translation include only selected articles. Some of the most important journals in the area of pure and applied mathematics are: **Izvestiia Rossiiskoi Akademii nauk. Serii matematika**. 1937- (Mathematics of the USSR, Izvestija); **Matematicheskii sbornik**. 1866- (Mathematics of the USSR. Sbornik); **Doklady Akademii nauk**. 1933- (Doklady. Mathematics) and **Uspekhi matematicheskikh nauk** 1936- (Russian mathematical surveys). One of the 19th century journals is **Melanges mathematiques et astronomiques tires du Bulletin de l'Academie imperiale des sciences de Saint-Petersbourg**.

The Library is also rich in its collection of monographs from Slavic and East European countries. The great majority of these are works in Russian that were received on our exchange program with the Russian Academy of Sciences.

### **Chemistry Library**

Serials represent the most heavily used portion of the **Chemistry Library's** Slavic and East European holdings. The bound journal section of the library contains complete or near-complete runs of major Russian journals in the field, such as **Referativnyi Zhurnal: Khimiia, Zhurnal Khimicheskoi Promyshlennosti** (1924- ), **Zhurnal Prikladnoi Khimii** (1928- ), **Zhurnal Fizicheskoi Khimii** (1930- ) and **Ukrainskii Khimicheskii Zhurnal**, as well as complete sets of more recent equivalent journals in the areas of organic, inorganic, and structural chemistry. The library also holds a complete set of the **Collection of Czechoslovak Chemical Communications** (1929- ). Due to space constraint these sets are kept in the Northern Regional Library Facility and would require a one day waiting period to retrieve material. Chemistry library now receives **Referativnyi Zhurnal: Khimiia** on microfiche (1994- ), which is being shelved in the library.

Slavic and East European monographic holdings in the Chemistry library are almost exclusively in the Russian language. Most of them are stored in the Northern Regional Library Facility. These monographs reflect Russian emphasis on applied and technological aspects of chemistry, such as spectrometry, metallography and inorganic chemistry. In the last ten years organic chemistry has been emphasized in Russia. This is reflected in our Chemistry library holdings. Chemical engineering material is also being housed in the Chemistry Library.

## Kresge Engineering Library

The **Kresge Engineering Library** holds a substantial collection of Slavic and East European material in all areas of engineering except chemical engineering which is located in the Chemistry Library. In addition it houses all material in computer science. Extensive holdings of Russian journals are especially noteworthy. Some of the titles used most often are: **Fizika metallov i metallovedenie** (Sverdlovsk); **Tsvetnye metally** (Moscow); **Mikroelektronika** (Moscow); **Inzheneno-fizicheskii zhurnal** (Minsk); **Pribory i tekhnika eksperimenta : PTE** (Moscow). Older back issues of many Russian journals may be held in the Northern Regional Library Facility and would require one day waiting period to retrieve material.

For the most part the monographs are published by the Russian Academy of Sciences and many of them are being stored in the Northern Regional Library Facility.

## Physics-Astronomy Library

Physics itself is an international language, and with physicists like Andrei D. Sakharov and Lev D. Landau involved, it is apparent how people with languages of a Slavic background have made great intellectual contributions in this field. The School of Landau became the birth place for many Soviet physicists-theoreticians, and some of them created schools of their own. Serials represent the most actively used portion of the Physics-Astronomy Library's Slavic and Eastern European collection. Currently, English translations of numerous Russian journals are collected, when possible, but frequently the original journal is owned as well.

The **Physics-Astronomy Library** holds the following Russian journals: **Zhurnal eksperimental'noi i teoreticheskoi fiziki**, **Fizika tverdogo tela**, **Iadernaia fizika**, **Fizika nizkikh temperatur**, **Optika i spektroskopii**, **Fizika plazmy**, **Zhurnal tekhnicheskoi fiziki** and **Fizika elementarnykh chastits i atomnogo iadra**. The library also owns **Physics, Uspekhi** (*Uspekhi fizicheskikh nauk*), rated among the top 10 general physics journals worldwide. Published since 1918 and translated into English since 1959 by AIP, the journal now has WWW site at: <http://ufn.ioc.ac.ru/>, where one will find UFN e-prints, abstracts, and annual indexes. Although Russian journals predominate, the Library also owns other Slavic journals, some in English: **Fizika A and B** (Croatian Physical Society), **Fizikai Szemle** (Budapest), **Bulgarian Journal of Physics** (Sofia), **Fizyka: zeszyty naukowe** (Opole, Poland) and **Czechoslovak Journal of Physics** (Prague).

The Physics-Astronomy Library possesses a number of older serial titles from Slavic and East European countries which are of special interest. The oldest of these is the **Observationes astronomicas** from Dorpat (now Tartu) and **Trudy Glavnoi astronomicheskoi observatorii v Pulkove** (Series 1, 1869-1888; Series 2, 1893- ).