

The current release includes 16 new atomic coordinate entries, bringing the total number of coordinate entries available for distribution to 427. Among the new additions are two entries for aspartyl protease from human immunodeficiency virus HIV-1. Entry 1HVP contains coordinates generated by a group at the US National Cancer Institute, using molecular modelling techniques, as reported by I.T. Weber, et al., Science 243, 928 (1989). Entry 2HVP contains alpha-carbon coordinates from the x-ray study carried out by a group at Merck, reported by M.A. Navia et al., Nature, 337, 615 (1989).

We are in the process of interviewing candidates for our Postdoctoral Research Associate position, announced in the January PDB Newsletter. Anyone interested in this position should contact Enrique Abola as soon as possible.

Enrique Abola, Frances Bernstein and Tom Koetzle will be attending the American Crystallographic Association meeting in Seattle, July 23-29, and Frances plans to stay on for the meeting of The Protein Society to be held the following week. Tom also plans to attend the Canadian Workshop on Bioinformatics in Ottawa, July 6-7, 1989. We will look forward to meeting many PDB contributors and users at these conferences.

We are pleased to announce that SEQNET, the UK National Molecular Biology Computing facility at the SERC's Daresbury Laboratory, has joined existing on-line DATAPRTP distributors. SEQNET has been set up primarily to serve the UK academic community and is available on-line through the JANET academic network. A complete list of on-line DATAPRTP distributors is given below:

CAN/SND, Canadian Scientific Numeric Data Base Service, Ottawa

contact Roger Gough, telephone 613-993-3294, e-mail CANSND@NRCVM01

CAOS/CAMM, Dutch National Facility for Computer-Assisted Chemistry, Nijmegen

contact Jan Noordik, telephone 0031-080-613386, e-mail CAOS@HNYKUN52

EMBL, European Molecular Biology Laboratory, Heidelberg, FRG

contact Peter Rice, telephone 0049-6221-387-247, e-mail RICE@EMBL

Pittsburgh Supercomputing Center

contact Hugh Nicholas, telephone 412-268-4960, e-mail NICHOLAS@CPWPSCA

SEQNET, Daresbury Laboratory, Warrington, WA4 4AD, UK

contact User Interface, telephone 0925 603351, e-mail UIG@UK.AC.DARESBU
Group

The established Protein Data Bank centers continue to provide their full range of services. Inquiries may be addressed as shown below. Please note that the order form on pages 7-8 should be used only for Brookhaven orders; users in Japan or Australia should contact their centers for detailed information.

Area	Address of Center	BITNET (BNL Only)	Name	Phone
Worldwide except Australia and Japan	Protein Data Bank	PDB@BNLCHM	Inquiries	516-282-4382
	Chemistry Department	ABOLA@BNLCHM	E. E. Abola	516-282-4383
	Brookhaven National Laboratory	BERNSTEIN@BNLCHM	F. C. Bernstein	516-282-4382
	Upton, NY 11973 USA	KOETZLE@BNLCHM WENG@BNLCHM	P. A. Esposito T. F. Koetzle J. C. Weng	516-282-4382 516-282-4384 516-282-3629
Australia	CSIRO Division of Biotechnology 343 Royal Parade, Parkville Victoria 3052, Australia		P. Davis	03-342-4326
Japan	Institute for Protein Research Osaka University Yamadaoka, 3-2 Suita, Osaka 565, Japan		Y. Katsube	(06) 877-5111 ext. 3912

Table with 4 columns: ID, Description, Depositor, Date/Status. Includes entries like R44PKSF, R5FKSF, R1F2SF, etc.

PART 7 - AVAILABLE ON NONST/TP, NONST/FI

Table with 4 columns: ID, Description, Depositor, Date/Status. Includes entries like R2LDKSF, R4MDH5F, etc.

* NEW OR REPLACEMENT ENTRY SINCE JAN-89 NEWSLETTER

CODES
SF STRUCTURE FACTORS

TABLE 5. PROTEIN DATA BANK, ATOMIC COORDINATE HOLDINGS
19-APR-89

Main table with 4 columns: IDENT CODE, MOLECULE, DEPOSITOR(S), DATE/STATUS. Lists thousands of protein entries with their identifiers and coordinates.

Table with 4 columns: ID, Name, Author, Date. Contains entries for various proteins like 1GLS, 4GPD, 1GMA, etc.

Table with 4 columns: ID, Name, Author, Date. Contains entries for various proteins like ODAC, ODN1, OAN8, etc.

Table with 2 columns: Code, Description. Lists status codes like A, B, N, P, R, SF.

TABLE 7. PROTEIN DATA BANK, BIBLIOGRAPHIC ENTRIES (NO COORDINATES) 19-APR-89

Table with 4 columns: ID, Name, Author, Date. Contains entries for 0EAP, 0WG1, 0AF1, etc.

TABLE 8. CORRECTIONS TO COORDINATE ENTRIES AND PROGRAMS 19-APR-89

CORRECTIONS TO ENTRIES MAY BE OBTAINED IN ONE OF TWO WAYS - A. ORDER CORR25FI. THERE IS NO CHARGE FOR THIS MICROFICHE WHICH CONTAINS A LISTING OF ALL CORRECTIONS APPLIED IN THE LAST THREE MONTHS. B. ORDER A NEW COPY OF DATAPRPT.

THE FOLLOWING DATA SETS HAVE HAD CORRECTIONS APPLIED. PLEASE CONSULT A COPY OF THE PROTEIN DATA BANK ATOMIC COORDINATE AND BIBLIOGRAPHIC ENTRY FORMAT DESCRIPTION FOR A FULL DESCRIPTION OF REVDAT RECORDS.

Table with 4 columns: ID, Date, Entry, Remark. Lists REVDAT entries with dates and remarks.

THE FOLLOWING DATA SETS HAVE BEEN REPLACED

Table with 4 columns: ID, Old Entry, New Entry, Date. Lists replaced data sets like OBSLTE.

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BROOKHAVEN ORDER FORM (Please include a self-addressed label)

1. Name _____ Date _____
 Address _____ Telephone _____
 _____ Electronic Mail _____

2. Documentation desired (no charge).

- Introduction to The Protein Data Bank (April 1988)
 Latest Newsletter
 Atomic Coordinate and Bibliographic Entry Format Description
 for DATAPRTP and DATAPRFI (January 1985)
 Current DATAPRTP Directory
 Sources of Visual Aids for Macromolecular Structure (January 1989)
 Non-Standard Entries (Structure Factors) Format Description
 Data Deposition Form

3. Please send the following magnetic tape items (from Table 1).

	6250 cpi	1600 cpi	TK50
DATAPRTP (coordinate tape)			
VAX/VMS BACKUP	<input type="checkbox"/> \$288	<input type="checkbox"/> \$367	<input type="checkbox"/> \$312
VAX/VMS COPY	<input type="checkbox"/> \$288	<input type="checkbox"/> \$367	<input type="checkbox"/> \$312
Unlabelled ASCII	<input type="checkbox"/> \$288	<input type="checkbox"/> \$367	
Unlabelled EBCDIC	<input type="checkbox"/> \$288	<input type="checkbox"/> \$367	
PDBPGMTP			
VAX/VMS COPY	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	<input type="checkbox"/> \$312
NONST1TP			
Unlabelled ASCII	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
Unlabelled EBCDIC	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
NONST2TP			
Unlabelled ASCII	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
Unlabelled EBCDIC	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
NONST3TP			
Unlabelled ASCII	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
Unlabelled EBCDIC	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
NONST4TP			
Unlabelled ASCII	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
Unlabelled EBCDIC	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
NONST5TP			
Unlabelled ASCII	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
Unlabelled EBCDIC	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
NONST6TP			
Unlabelled ASCII	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
Unlabelled EBCDIC	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
NONST7TP			
Unlabelled ASCII	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	
Unlabelled EBCDIC	<input type="checkbox"/> \$288	<input type="checkbox"/> \$288	

Cost: _____

Special order items (described in Table 1): Please inquire at Brookhaven for availability and price.

YEAR88TP	CONECTTP	DSTNCETP
PART89TP	DGPLOTP	FISIPLTP
BENDERTP	DIHDLTP	PHIPSITP

(Continued)

- 4. Foreign air mail postage for tape items listed in 3 above mailed from Brookhaven to destinations outside the U.S. and Canada. A postage surcharge of \$19 is required per item.

Number of items x \$19 = _____

- 5. Please send the following microfiche items (from Table 2). Each microfiche item costs \$310, postage included. Correction fiche are free.

Items: _____ Cost: _____

- 6. Please send the following printed listings. Each listing costs \$82, postage included.

Ident Code(s) (From Table 5): _____ Cost: _____

- 7. Total charges - All prices are expected to be valid through September 30, 1989. After that date please confirm prices.

Magnetic tape charges (3 above) _____
 Foreign air mail postage charges (4 above) _____
 Microfiche charges (5 above) _____
 Printed listing charges (6 above) _____
 Bank charge _____
 No charge for checks drawn in U.S. dollars on _____
 U.S. bank, otherwise \$10 _____

TOTAL COST : _____

METHOD OF PAYMENT:

Brookhaven requires that either a written purchase order or check payable to

BROOKHAVEN NATIONAL LABORATORY

be received before service is provided. Order forms and purchase orders may be sent by facsimile to (United States) 516-282-5815. The original order forms and purchase orders should also be sent to Brookhaven by mail.

() check is () enclosed
 () purchase order number _____ () sent separately

Please return ORDER FORM to

BROOKHAVEN NATIONAL LABORATORY
 Chemistry Department - Bldg. 555
 Ms. F. C. Bernstein
 Upton, New York 11973 USA
 (516-282-4382)

It is advisable to send a photocopy of this order form directly to Brookhaven; experience shows that purchasing departments often do not forward this form with the order.