

This PDB release includes 53 new atomic coordinate entries (see Table 5), bringing the number of coordinate entries to 597. Please note that we have streamlined the Newsletter Tables. Thus, we list only those structure factor entries which are new since the July release. The listing of atomic coordinate entries reverts to alphabetical order, classification headings having been eliminated.

Please use the order form on the last two pages of this Newsletter for all Brookhaven orders. Note that some items carry modest price increases to accommodate rising costs and an increase in the number of tapes required to hold the database. DATAPRTP is now 125 Mbytes in size.

The 1/4" cartridge tapes supplied by Brookhaven can be read on Sun workstations as well as on Silicon Graphics equipment. The appropriate command instructions for reading the tapes will be supplied.

We are pleased to announce that John McCarthy and Betty Deroski have joined the PDB staff, John as a Computer Analyst and Betty as Consultant. John is responsible for the PDB computer systems, while Betty assists with processing new entries.

For ready reference, a complete list of PDB Brookhaven staff with telephone numbers and BITNET electronic mail addresses is given at the bottom of this page. It is possible to place a standing order for each quarterly DATAPRTP release; anyone interested in placing such a standing order should contact Frances Bernstein. Frances also welcomes data depositions via electronic mail and requests that depositors planning to do this contact her before sending the actual data.

Ten affiliated centers now offer DATAPRTP for distribution. These centers, listed immediately below, are members of the Protein Data Bank Service Association (PDBSA). Centers designated with an asterisk distribute DATAPRTP on magnetic media; those without an asterisk are on-line DATAPRTP distributors.

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 0031-80-613386 e-mail NOORDIK@CAOS.CAOS.KUN.NL

CINECA, NE Italy Interuniversity Computing Center, Caselecchio di Reno (BO)

contact Salvatore Rago telephone 0039-51-598411 e-mail ARGO@ICINECA

EMBL, European Molecular Biology Laboratory, Heidelberg, FRG

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

***JAICI, Japan Association for International Chemical Information, Tokyo**

contact Hideaki Chihara telephone 0081-3-816-3389

NCSA, National Center for Supercomputing Applications, University of Illinois at Urbana-Champaign

contact Joseph Golab telephone 217-244-2756 e-mail JGOLAB@NCSA.UIUC.EDU

***Osaka University, Institute for Protein Research, Osaka, Japan**

contact Yukiteru Katsube telephone 0081-6-877-5111 ext 3912

Pittsburgh Supercomputing Center

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

Prophet, BBN Systems and Technologies Corp., Cambridge MA

contact Wayne Rindone telephone 617-873-2669 e-mail PROPHET-HELP@BBN.COM

SEQNET, Daresbury Laboratory, Warrington, UK

contact User Interface Group telephone 0044-925-603351 e-mail UIG@DARESBURY.AC.UK

PDB Brookhaven Staff

Mail	Protein Data Bank Chemistry Department Brookhaven National Laboratory Upton, NY 11973 USA	
Name	BITNET	Phone
Inquiries	PDB@BNLCHM	516-282-4382
Enrique E. Abola	ABOLA@BNLCHM	516-282-4383
Frances C. Bernstein	BERNSTEIN@BNLCHM	516-282-4382
Betty R. Deroski	DEROSKI@BNLCHM	516-282-4381
Judy A. Callaway	CALLAWAY@BNLCHM	516-282-4383
Pamela A. Esposito		516-282-4382
Arthur Forman	FORMAN@BNLCHM	516-282-4378
Thomas F. Koetzle	KOETZLE@BNLCHM	516-282-4384
John E. McCarthy	MCCARTHY@BNLCHM	516-282-4379
John G. Skora	SKORA@BNLCHM	516-282-4379

TABLE 1. PROTEIN DATA BANK, INFORMATION AVAILABLE ON MAGNETIC TAPE

Table with columns CODE, ITEM, and a list of protein data entries including DATAPRTF, PDBPGMTP, NCSST1TP, etc.

* NEW OR REPLACEMENT ENTRY SINCE JUL-1990 NEWSLETTER

TABLE 2. PROTEIN DATA BANK, INFORMATION AVAILABLE ON MICROFICHE

Table with columns CODE, ITEM, and a list of protein data entries including DATAPRF1, CORR31FT, NCSST1FI, etc.

* NEW OR REPLACEMENT ENTRY SINCE JUL-1990 NEWSLETTER

TABLE 3. PROTEIN DATA BANK, COMPUTER PROGRAMS AND MISCELLANEOUS FILES

Table with columns NAME, PURPOSE, AUTHOR(S), REV DATE/ SUPPORTED, and a list of computer programs including PART A, BENDER, BLDKIT, etc.

* NEW OR REPLACEMENT ENTRY SINCE JUL-1990 NEWSLETTER

SUPPORTED PROGRAMS ARE THOSE FOR WHICH STAFF OF THE PROTEIN DATA BANK WILL PROVIDE CORRECTIONS FOR DEMONSTRATED ERRORS.

TABLE 4. PROTEIN DATA BANK, STRUCTURE FACTOR HOLDINGS

Table with columns IDENT CODE, MOLECULE, DEPOSITOR, DATE/ CODE, and a list of structure factor holdings including PART 1-6, R4CVF5F, R5CT95F, etc.

A COMPLETE LIST OF ENTRIES IN PARTS 1 - 6 CAN BE OBTAINED BY CHECKING THE APPROPRIATE BOX IN THE DOCUMENTATION SECTION OF THE ATTACHED ORDER FORM.

Table with columns R2RSF5F, R1RDGF5, R1RSCF5, etc., listing protein names and depositories.

PART 6 - AVAILABLE ON NONST8TP, NONST8FI

Table with columns R1BMSV5F, BEAM POD MOTTLE VIRUS, J. JOHNSON, 10/89 SF

* NEW OR REPLACEMENT ENTRY SINCE JUL-1990 NEWSLETTER

SF STRUCTURE FACTORS

TABLE 5. PROTEIN DATA BANK, ATOMIC COORDINATE HOLDINGS

Table with columns IDENT CODE, MOLECULE, DEPOSITOR(S), DATE/ STATUS, and a list of atomic coordinate holdings including 4APE, 2APF, 2APR, etc.

Table listing protein entries with columns for ID, Name, Source, and PDB ID. Entries include COBRATOXIN, CONCAVALIN A, CRAWFISH CRAB, CRO REAGGENT PROTEIN, GAMMA-II CRYSTALLIN (CALF), GAMMA IV CRYSTALLIN (BOVINE LENS), CUCUMBER BASIC PROTEIN, CYTOCHROME B5 (OXIDIZED), CYTOCHROME C (ALBACORE, OXIDIZED), CYTOCHROME C (ALBACORE, REDUCED), CYTOCHROME C (BOWTIE, HEART), CYTOCHROME C (PRIME), CYTOCHROME C PEROXIDASE (YEAST), CYTOCHROME C2 (OXIDIZED), CYTOCHROME C2 (REDUCED), CYTOCHROME C3, CYTOCHROME C3 (DESULFOVIBRIO VULGARIS), CYTOCHROME C5 (OXIDIZED, AZOTOBACTER VULGARIS), CYTOCHROME C50, CYTOCHROME C51 (OXIDIZED), CYTOCHROME C51 (REDUCED), CYTOCHROME P450CGC (SYNTHETIC), CYTOCHROME P450CAM/CMH OR MONOXYGENASE, DIHYDROFOLATE REDUCTASE (CHICKEN LIVER), DIHYDROFOLATE REDUCTASE (L. CASEI), DIHYDROFOLATE REDUCTASE (E. COLI), APO-DIHYDROFOLATE REDUCTASE (E. COLI), DIHYDROFOLATE REDUCTASE (E. COLI) NADP, DIHYDROFOLATE REDUCTASE/FOLATE/NADP, DIHYDROFOLATE REDUCTASE (HUMAN)/FOLATE, DIHYDROFOLATE REDUCTASE/5-DEAZAFOLATE, DNA (A, B, C, D) (PHI) -DP-100-CGG-3 (PRIME), DNA (A, GGGCCCG, SYNTHETIC), DNA (A, GGGATCC, SYNTHETIC), DNA (A, GCGATCC, SYNTHETIC), DNA (A, GCGATCC, SYNTHETIC), DNA (A, GCGAATTCGG, SYNTHETIC, 20 X), DNA (B, GCGAATTCGG, SYNTHETIC, 16 K), DNA (B, 9-BR-CGGGAATTCGG, SYNTH, 20 DEG C), DNA (B, 9-BR-CGGGAATTCGG, SYNTH, 7 DEG C), DNA (B, GCGAATTCGG, SYNTHETIC)/CISPLATIN, DNA (B, 9-BR-CGGGAATTCGG, SYNTH)/NETROPSIN, DNA (B, GCGAATTCGG, AN ISO TEMP FACTORS), DNA (CGGGAATTCGG, SYNTHETIC) /HOECHST 33258, DNA (Z (PRIME), CGCG, HIGH-SALT, SYNTHETIC), DNA (-BR-CG-BR-CG-BR-CG, SYNTHETIC, 18 DEG C), DNA (-BR-CG-BR-CG-BR-CG, SYNTHETIC, 3 DEG C), DNA (GGATGGAG, SYNTHETIC), DNA (CGTACGTAC, SYNTHETIC), DNA (CGGAATTCGG) -DISTAMYCIN COMPLEX, DNA (CGGAATTCGG) -HOECHST 33258 COMPLEX, DNA (CGAAGTGG), DNA (CGCCGCTTGGCGCG), DNA (CGCCG), DNA (CGCCG) /SPERMINE, DNA (CGCGAATTCGG), DNA (CGCGATTCGG) /NETROPSIN, DNA (CGAGCCG), DNA (GTGTACAC) /SPERMINE, DNA (CGCATATCGC), DNA (GTACGTAC), DNA (CGCG), DNA (CGATCG) /DAUNOMYCIN, DNA (CGATCG) /DAUNOMYCIN, DNA (CGATCG) /ADRIAMYCIN, DNA (CGCCGCGGT), DNA (CGTACG) /11-DEOXYDAUNOMYCIN, DNA POLYMERASE I (KLENOW FRAGMENT), GENE-5 DNA BINDING PROTEIN, ECO RI ENDONUCLEASE/TCGGGAATTCGG, ELASTASE (HUMAN NEUTROPHIL), ELASTASE (PORCINE, TOSYL), ELASTASE-TFAP COMPLEX (PORCINE), ELASTASE (PORCINE), ELONGATION FACTOR TU (TRYPSIN-MODIFIED), ELONGATION FACTOR TU (DOMAIN I)/GDP CHLPTL, ENLASE (YEAST), ERABUTOXIN A (SEA SNAKE), ERABUTOXIN B (SEA SNAKE), ERYTHROCUORIN (REDUCED, DEOXY), ERYTHROCUORIN (CARBONMONOXY), ERYTHROCUORIN (AQUO, MET), ERYTHROCUORIN (CYANO, MET), FERREDOXIN (ALGOCYANIN VINELANDII), FERREDOXIN (FERRO) (C20A), FERREDOXIN MUTANT (C24A), FERREDOXIN (B. THERMOPHILICUS), FERREDOXIN (PEPTOCOCCUS AEROGENES), FERREDOXIN (SPTRULINA PLATENSIS), FLAVODOXIN (CLOSTRIDIUM MP, OXIDIZED), FLAVODOXIN (CLOSTRIDIUM MP, SEMIQUINONE), FLAVODOXIN (D. VULGARIS, UNREFINED), GALACTOSE-BINDING PROTEIN, D-GALACTOSE-BINDING PROTEIN (E. COLI), CATABOLITE GENE ACTIVATOR PROTEIN/CAMP GLUCAGON, GLUCOSE-6-PHOSPHATE ISOMERASE, GLUTAMINE SYNTHETASE (S. TYPHIMURIUM), GLUTATHIONE PEROXIDASE (BOVINE), GLUTATHIONE REDUCTASE (OXIDIZED, HUMAN), HOLO-GDP (BACILLUS STEAROTHERMOPHILUS), APO-GDP (BACILLUS STEAROTHERMOPHILUS), GLYCERALDEHYDE-3-P-DEHYDROGENASE (LOBSTR), APO-GLYCERALDEHYDE-3-P-DEHYDROGENASE (LBSR), GLYCERALDEHYDE-3-P-DEHYDROGENASE (HUMAN), GLYCOLATE OXIDASE (SPINACH), HEAT-SHOCK COGNATE PROTEIN (ATPASE FRAGM), HEMAGGLUTININ (INFLUENZA VIRUS), HEMERYTHRIN B, HEMERYTHRIN (MET), HEMERYTHRIN (AZIDO, MET), HEMERYTHRIN (AZIDO, MET, SIPHONOSOMA), HEMOGLOBIN (DEER, SICKLE CELL), HEMOGLOBIN (HORSE, AQUO MET), HEMOGLOBIN (HORSE, DEOXY), HEMOGLOBIN (HUMAN, DEOXY), HEMOGLOBIN (HUMAN, DEOXY, SYMMETRY AVRGD), HEMOGLOBIN (HUMAN, DEOXY, UNRESTRAINED), HEMOGLOBIN (HUMAN, CARBONMONOXY), HEMOGLOBIN (HUMAN, CARBONMONOXY, NRG REFND), HEMOGLOBIN (HUMAN, OXY), HEMOGLOBIN (HUMAN, FETAL, DEOXY), HEMOGLOBIN S (HUMAN, SICKLE CELL), HEMOGLOBIN (ALPHA-FERROUS, BETA-COBALTOSUS), HEMOGLOBIN V (CYANO, MET, SEA LAMPREY), HEMOGLOBIN (YEAST) FORM BIII, HEMOGLOBIN A - GLUCOSE COMPLEX (YEAST), HIGH POTENTIAL IRON PROTEIN, HIRUDIN (NMR, MIN AVERAGED STRUCTURE), HIRUDIN (NMR, 32 STRUCTURES), HIRUDIN (NMR, KATE, MIN AVERAGED STRUCTURE), HIRUDIN (NMR, K47, 32 STRUCTURES), HISTOCOMPATIBILITY ANTIGEN A2 (HUMAN), HLA-AW68, HLA-AW68, HLA-A2, HIV-1 PROTEASE, HIV PROTEASE, HIV-1 PROTEASE/N-AC-TI (NLE-PSI-NLE) OR, HYALURONIC ACID (NA SALT, 3-FOLD HELIX), HYALURONIC ACID (NA SALT, 4-FOLD HELIX), HYALURONIC ACID (NA SALT, 2-FOLD HELIX), HYALURONIC ACID (CA SALT, 3-FOLD HELIX), P-HYDROXYBENZOATE HYDROXYLASE COMPLEX, P-HYDROXYBENZOATE HYDROXYLASE/ADPR, HYHEL-10 FAB/LYSOZYME COMPLEX, FAB F19.9 (MOUSE), IGA FAB (KAPPA) J539, IGA FAB (KAPPA) MCP603, IGA FAB (KAPPA) MCP603/PROSPROCHOLINE, IGG1 FAB (LAMBDA) KOL, IMMUNOGLOBULIN FAB (PRIME) NEW, IMMUNOGLOBULIN 4-4-20 FAB/FLUORESCIN, IMMUNOGLOBULIN FC (HUMAN), IGG1 LIGHT CHAIN DIMER (MCG-WEIR HYBRID), IMMUNOGLOBULIN B-J INTACT MCG (ORTHERMBC), IMMUNOGLOBULIN B-J INTACT MCG (TRIGONAL), IMMUNOGLOBULIN B-J FRAGMENT (V-DIMER) REI, IMMUNOGLOBULIN B-J FRAGMENT (V-DIMER) RHE, IMMUNOGLOBULIN FC (HUMAN), IMMUNOGLOBULIN FC-FRAGMENT B COMPLEX, IGG PFC FRAGMENT, IGG1 (LAMBDA) KOL, INSULIN (BOVINE, 2-ZINC) DES-PHE B1, INSULIN (PORCINE, NEUTROPHIL), INSULIN (PORCINE, 2-ZINC), INTERLEUKIN 1B (HUMAN), INTERLEUKIN 1B (HUMAN), INTERLEUKIN 1B (HUMAN), KALLIKREIN A (PORCINE)/PTI (BOVINE), KDPG ALDOLASE, KERATAN SULFATE, ALFA-LACTALBUMIN (BABOON), BETA-LACTAMASE, BETA-LACTAMASE (S. LICHENIFORMIS), APO-L-LDH (BACILLUS STEAROTHERMOPHILUS), L-LDH/NAD/FRUCTOSE-1, 6-BISPHOSPHATE, LACTATE DEHYDROGENASE/NAD/PRUVATE (DOGF), LACTATE DEHYDROGENASE/NAD/OXAMATE (DOGF), APO-M4-LACTATE DEHYDROGENASE (DOGFIS), APO-M4-LACTATE DEHYDROGENASE/CITRATE, LACTATE DEHYDROGENASE (L. CASEI), LACTATE DEHYDROGENASE (MOUSE TESTES), LACTATE DEHYDROGENASE/5-LAC/NAD (PIG), LEGHEMOGLOBIN (ACETATE MET), LEGHEMOGLOBIN (ACETATE MET), LEGHEMOGLOBIN (AQUO MET), LEGHEMOGLOBIN (AQUO MET), LEGHEMOGLOBIN (CYANO MET), LEGHEMOGLOBIN (CYANO MET), LEGHEMOGLOBIN (DEOXY), LEGHEMOGLOBIN (DEOXY), LEGHEMOGLOBIN (FLUORO MET), LEGHEMOGLOBIN (FLUORO MET), LEGHEMOGLOBIN (NICOTINATE MET), LEGHEMOGLOBIN (NICOTINATE MET), LEGHEMOGLOBIN (FERRO)/NITROSOBENZENE, LEGHEMOGLOBIN (FERRO)/NITROSOBENZENE, LEUCINE BINDING PROTEIN (E. COLI), LEU-ILE-VAL BINDING PROTEIN (E. COLI), LYSOZYME (BACTERIOPHAGE T4), LYSOZYME (T4), LYSOZYME (T4) MUTANT (T155A, T157I), LYSOZYME (T4) MUTANT (T157A), LYSOZYME (T4) MUTANT (T157C), LYSOZYME (T4) MUTANT (T157D), LYSOZYME (T4) MUTANT (T157D), LYSOZYME (T4) MUTANT (T157E), LYSOZYME (T4) MUTANT (T157F), LYSOZYME (T4) MUTANT (T157G), LYSOZYME (T4) MUTANT (T157H), LYSOZYME (T4) MUTANT (T157I), LYSOZYME (T4) MUTANT (T157J), LYSOZYME (T4) MUTANT (T157N), LYSOZYME (T4) MUTANT (T157O), LYSOZYME (T4) MUTANT (T157S), LYSOZYME (T4) MUTANT (T157V), LYSOZYME (T4) MUTANT (G156D), LYSOZYME (T4) MUTANT (I3V), LYSOZYME (T4) MUTANT (I3V), LYSOZYME (T4) MUTANT (S38D), LYSOZYME (T4) MUTANT (N144D), LYSOZYME (T4) MUTANT (N55G), LYSOZYME (T4) MUTANT (N124G), LYSOZYME (T4) MUTANT (G77A), LYSOZYME (T4) MUTANT (R82P), LYSOZYME (T4) MUTANT (P86A), LYSOZYME (T4) MUTANT (P86C), LYSOZYME (T4) MUTANT (P86D), LYSOZYME (T4) MUTANT (P86E), LYSOZYME (T4) MUTANT (P86L), LYSOZYME (T4) MUTANT (P86R), LYSOZYME (T4) MUTANT (P86S), LYSOZYME (T4) MUTANT (V131A), LYSOZYME (T4) MUTANT (R96H), LYSOZYME (T4) MUTANT (C54T, C97A, I9C, L164C), LYSOZYME (HEN EGG-WHITE, SET W2), LYSOZYME (HEN EGG-WHITE, SET R55D), LYSOZYME (HEN EGG-WHITE, SET R56A), LYSOZYME (HEN EGG-WHITE, SET R59A), LYSOZYME (HEN EGG-WHITE, SET R512A), LYSOZYME (HEN EGG-WHITE, SET R516), LYSOZYME (HEN EGG-WHITE, TRICLINIC), LYSOZYME (HEN EGG-WHITE, TRICLINIC), LYSOZYME (HEN EGG-WHITE, INACTIVATED), LYSOZYME (HEN, NAM-NAG-NAM SUBSTRATE ONLY) J. KELLY, M. JAMES


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REVDAT 4 15-OCT-90 1MLTC 3 OBSLTE
REVDAT 8 15-OCT-90 1MCGG 3 OBSLTE
REVDAT 6 15-OCT-90 1TGTG 3 HETATM
REVDAT 6 15-OCT-90 1ACKL 1 REMARK
REVDAT 3 15-OCT-90 4ATCB 3 OBSLTE
REVDAT 2 15-OCT-90 5APIA 3 OBSLTE
REVDAT 4 15-OCT-90 5RSAC 1 REMARK
REVDAT 2 15-OCT-90 6APIA 3 OBSLTE
REVDAT 3 15-OCT-90 3WGAB 3 OBSLTE
REVDAT 3 15-OCT-90 7ATCB 3 OBSLTE
REVDAT 2 15-OCT-90 1D16A 1 JRNL REMARK
REVDAT 2 15-OCT-90 1FD2A 1 JRNL REMARK
REVDAT 2 15-OCT-90 1LYDA 1 HEADER
REVDAT 3 15-OCT-90 1XY1B 3 REMARK HET HETATM ANISOU
REVDAT 3 15-OCT-90 1KY2B 3 HET HETATM ANISOU
REVDAT 2 15-OCT-90 2I1BA 1 HEADER
REVDAT 2 15-OCT-90 2TMNA 3 HET HETATM TER
REVDAT 4 15-OCT-90 4FD1C 1 JRNL REMARK
REVDAT 2 15-OCT-90 4HVPA 3 SEQRES HET FORMUL HETATM
REVDAT 2 2 TER
REVDAT 2 15-OCT-90 2FBJA 1 FTNOTE
    
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REVDAT 2 15-OCT-90 5ACNA 1 REVDAT HET FORMUL
REVDAT 2 15-OCT-90 6ACNA 1 REVDAT FORMUL SITE
REVDAT 2 15-OCT-90 7DFRA 1 JRNL
    
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THE FOLLOWING DATA SETS HAVE BEEN REPLACED

	OLD	NEW
	ENTRY	ENTRY
OBSLTE	15-OCT-90 1CPV	SCPV
OBSLTE	15-OCT-90 2CPV	SCPV
OBSLTE	15-OCT-90 3CPV	SCPV
OBSLTE	15-OCT-90 1MLT	2MLT
OBSLTE	15-OCT-90 1MCG	2MCG
OBSLTE	15-OCT-90 4ATC	6AT1
OBSLTE	15-OCT-90 5API	7API
OBSLTE	15-OCT-90 6API	8API
OBSLTE	15-OCT-90 3WGA	9WGA
OBSLTE	15-OCT-90 7ATC	5AT1

Name	Date
Address	Telephone
	Electronic Mail
	FAX Number

Check or written purchase order must be made payable to Brookhaven National Laboratory (see Entering an Order)

Items to be ordered (prices are valid until September 30, 1991)

MAGNETIC TAPE items from Table 1:				
DATAPRTP (includes all coordinate entries)				
	6250 cpi	1600 cpi	TK50	150 Mbyte
VAX/VMS BACKUP	<input type="checkbox"/> \$345	<input type="checkbox"/> \$417	<input type="checkbox"/> \$408	
VAX/VMS COPY	<input type="checkbox"/> \$345	<input type="checkbox"/> \$417	<input type="checkbox"/> \$408	
Unlabelled ASCII	<input type="checkbox"/> \$345	<input type="checkbox"/> \$417		
Unlabelled EBCDIC	<input type="checkbox"/> \$345	<input type="checkbox"/> \$417		
IRIS cartridge TAR tape				<input type="checkbox"/> \$322
SUN cartridge TAR tape				<input type="checkbox"/> \$322
PDBPGMTP				
VAX/VMS COPY	<input type="checkbox"/> \$309	<input type="checkbox"/> \$309	<input type="checkbox"/> \$341	
STRUCTURE FACTOR TAPES each tape ordered costs \$309				
<input type="checkbox"/> NONST1TP	<input type="checkbox"/> NONST2TP	<input type="checkbox"/> NONST3TP	<input type="checkbox"/> NONST4TP	
<input type="checkbox"/> NONST5TP	<input type="checkbox"/> NONST6TP	<input type="checkbox"/> NONST7TP	<input type="checkbox"/> NONST8TP	
Choose one format for STRUCTURE FACTOR tapes				
Unlabelled ASCII	<input type="checkbox"/> 6250 cpi	<input type="checkbox"/> 1600 cpi		
Unlabelled EBCDIC	<input type="checkbox"/> 6250 cpi	<input type="checkbox"/> 1600 cpi		
MICROFICHE items (from Table 2). Each microfiche item costs \$450, postage included. Correction fiche are free.				
List Items requested:				
PRINTED LISTINGS . Each entry costs \$92, postage included.				
IDENT Code(s) (from Table 5) requested:				

Please total all the charges applicable to this order. All prices are expected to be valid through September 30, 1991. After that date please confirm prices.

Bank charges (\$40 if check not in U.S. dollars drawn on U.S. bank, otherwise no charge)	
Foreign air mail charges (charge of \$19 per tape item mailed outside U.S. and Canada)	
Magnetic tape charges:	
Microfiche charges:	
Printed listing charges:	
TOTAL COST:	

(continued on the next page)

DOCUMENTATION desired (no charge)

- Introduction to the Protein Data Bank (January 1990)
 - Latest Newsletter
 - Atomic Coordinate and Bibliographic Entry Format Description for DATAPRTP and DATAPRFI (March 1989)
 - Current DATAPRTP Directory
 - Sources of Visual Aids for Macromolecular Structure (February 1990)
 - Complete list of structure factor holdings (October 1990)
 - Detailed Contents and Format Description for each structure factor entry
 - Data Deposition Form
-

ENTERING AN ORDER:

- Brookhaven **requires the following before service is provided**

- ___ Check or purchase order payable to ***BROOKHAVEN NATIONAL LABORATORY***
- ___ Completed Order Form
- ___ Self Addressed Label

If using facsimile, the original order form and purchase order or check must also be sent to Brookhaven by mail.

- Please send the required items to

BROOKHAVEN NATIONAL LABORATORY
Chemistry Department - Bldg. 555
Ms. F. C. Bernstein
Upton, New York 11973 USA

Telephone: 516-282-4382
Facsimile: 516-282-5815

To ensure proper handling, it is advisable for users to send an additional copy of this order form directly to Brookhaven; experience shows that purchasing departments often do not forward a copy of the order form.
