

Spirit of 99



THE OFFICIAL NEWSLETTER OF THE CENTRAL OHIO NINETY-NINERS INC.

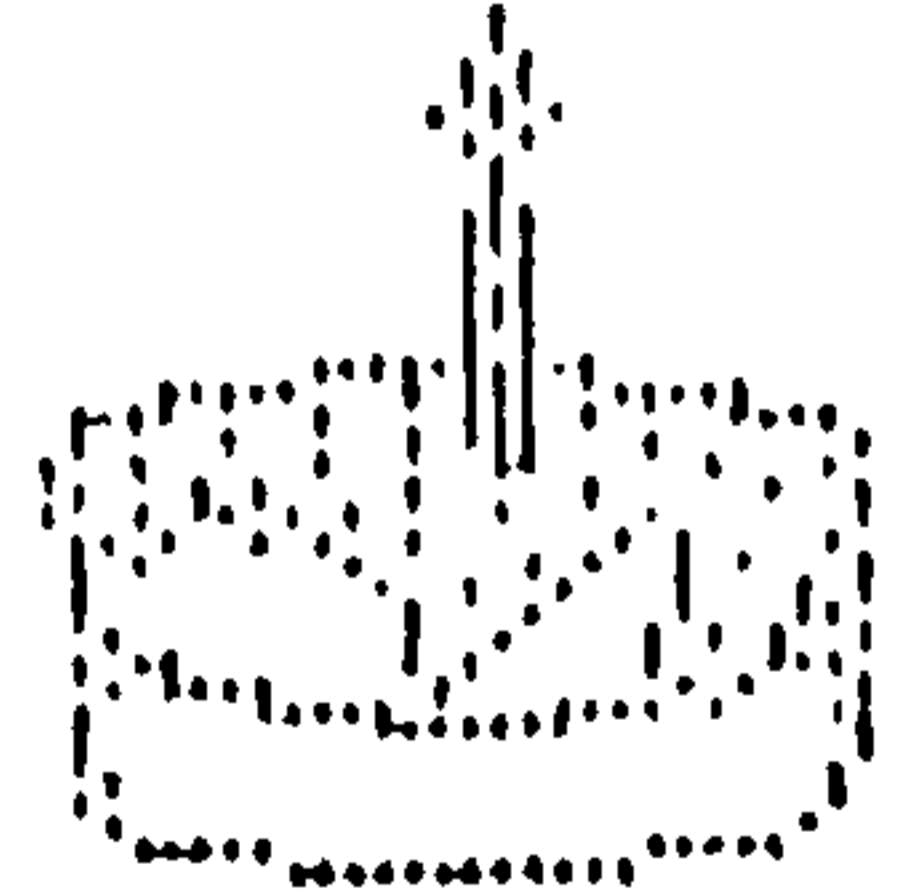
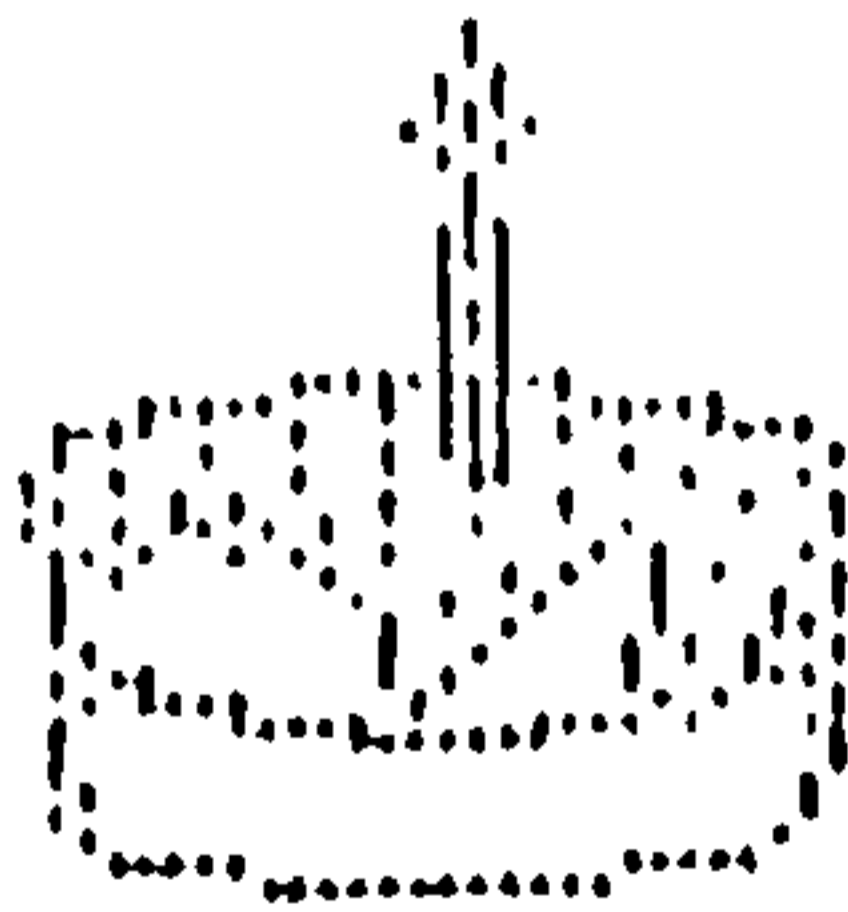
PUBLISHED MONTHLY IN COLUMBUS OHIO

HAPPY BIRTHDAY

1776



1999



AMERICA

\$1.50

VOL. 6

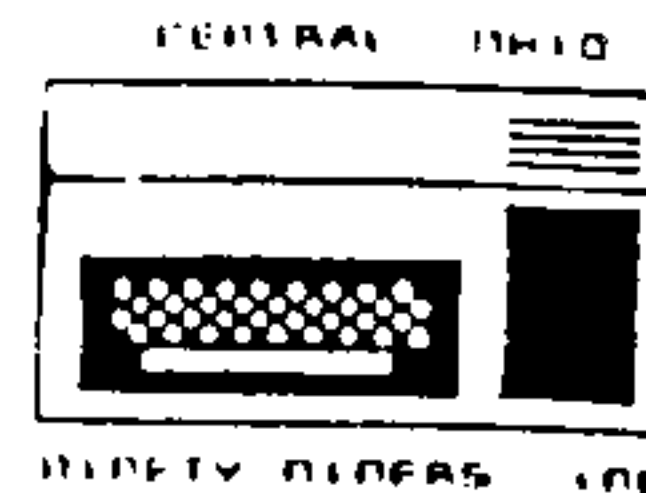
NO. 7

JULY

1988

Spirit of 99

THE OFFICIAL NEWSLETTER OF CENTRAL OHIO NINETY-NINERS



COPYRIGHT C 1985
Central Ohio Ninety-Niners Incorporated (C.O.N.N.I.). Columbus Ohio 43212, USA. All rights reserved. Spirit of 99 is published monthly for Central Ohio Ninety-Niners Inc. by C.O.N.N.I. members and is the official newsletter of C.O.N.N.I. User Group.

Editorial, advertising and subscription address is:
181 HEISCHMAN AVE
WORTHINGTON, OH 43085

Subscription rate (USA) \$20.00 /1 year (12 issues). Foreign subscription rates available upon request. Third class postage paid at Columbus, Ohio.

CHANGE OF ADDRESS:
Send both OLD and NEW address to: Subscription address above. WE assume no responsibility for manuscripts, programs (tape or disk) not accompanied by return postage. Letters to the Editor become property of Spirit of 99. If published, we reserve the right to edit at our discretion.

OPINIONS EXPRESSED HEREIN ARE THE AUTHORS AND ARE BASED ON VALID DOCUMENTABLE RESEARCH. THEY DO NOT NECESSARILY REFLECT THE OPINIONS OF THE PUBLISHER.

We will not knowingly publish copyright material without the permission of the author and credit due.

All programs published herein are of public domain unless otherwise noted.

Other non-profit user groups may use material from this newsletter only if source and credit is given.

Central Ohio Ninety Niners Inc. is a non profit organization comprised of MEMBERS who own or use the TI99/4A computer and it's related products and have paid a yearly membership fee of \$28.00 and whose main objective is the exchange of Educational and Scientific information for the purpose of computer literacy.

C.O.N.N.I. meetings are held the 2nd Saturday of each month at the Martin Janis Senior Center - East Eleventh Ave. at the Ohio State fairgrounds. Meeting time is at 9 am. Meetings are open to the public. Membership dues (\$28.00) are payable yearly to C.O.N.N.I. and cover the immediate family of the member. (An application has been placed

in this newsletter for your convenience) Please address it to:
EVERETT WADE
179 ERIE ROAD
COLUMBUS, OH 43214
ADVERTISEMENT:

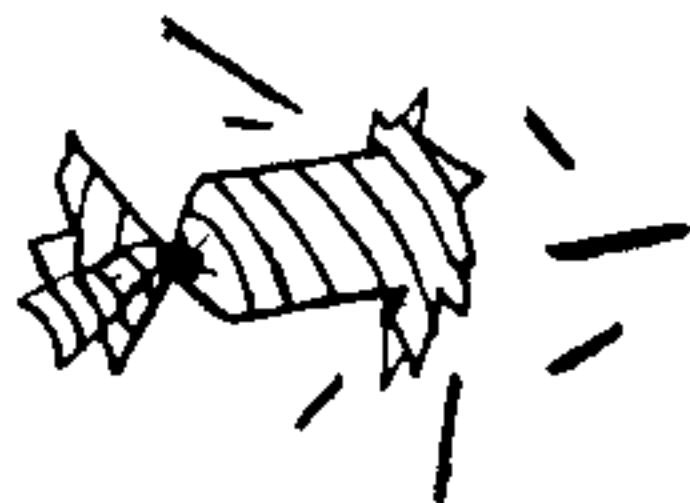
We do accept commercial advertisement at The following rates:
Business Card (2x3.5): \$5.00/issue
1/4 Page: \$25.00
1/2 Page: \$45.00
Full Page: \$75.00
Write this newsletter for other size arrangements.

All ads should be submitted (camera ready) to advertising address above, payment enclosed. Members ads are published at no cost. (Limit of 25 words and must not be commercial please.)

** INDEX **

ANNOUNCEMENTS.....	P. 3
GENEVE - JUST FOR FUN.....	P.19
IMPACT 99 - SUGHRUE.....	P.17
INDEX.....	P. 2
MINUTES-JUNE 11 MEETING.....	P.16
MULTIPLAN AND STORAGE.....	P. 4
MX 1000 REVIEW.....	P.19
PRESIDENT'S MESSAGE.....	P.16
(Our series articles, Cassette and TI-WRITER plus Tigercub Tips#51 will resume in the September issue of Spirit of 99. There will not be an August issue published.	
EDITOR.....	JEAN HALL
ASSIST.....	CAROLE PARKINS
** OFFICERS **	
PRESIDENT.....	DICK BEERY
VICE PRES.....	JIM SEITZ
SECRETARY.....	JERE SINGLETON
TREASURER.....	JOHN CUMMINGS
LIBRARIAN.....	CHUCK GRIMES

 ANNOUNCEMENTS



PAY YOUR DUES



Dues are usually paid at or before the March meeting, and are \$28 per year for full membership, library and voting privileges, plus the newsletter. You may also pay your dues in two installments if desired: \$14 in March and \$14 in September. If only the newsletter is desired, then payment is \$20 per year. Those who join during other months of the year pay a lesser, pro-rated amount:

Mar---28.00	Apr---25.75	May---23.50	Jun---21.00	Jul---18.75
Aug---16.50	Sep---14.00	Oct---11.25	Nov---9.50	Dec---7.00
Jan---4.75	Feb---2.50			

Fill out an application blank (one on the back of this newsletter), make a check out to C.O.N.N.I. and give it to Everett Wade, the membership registrar, at one of the meetings or mail to him at the following address:

Everett Wade 179 Erie Rd Columbus, OH 43214

 MEETING AGENDA ----- SATURDAY 9 JULY 1988

- 9 AM Libraries open..Raffle begins.. 10:10 AM Business meeting
 Registration, dues... 10:35 AM Bill Brandon: demo on
 GENEALOGY S.I.G. making digitized photos
- 9:25 AM Question and Answer session
- 9:40 AM HARDWARE S.I.G. 11:00 AM Modem demo: Bob Schnetzer
 CASSETTE S.I.G. on accessing Dow Jones



Dick Beery on using the computerized library catalog for both OSU and the State Library of Ohio

+++++
 + NEW!!! +
 + HARDWARE S.I.G. +
 +++++

+++++
 + COFFEE ANYONE? +
 + SATURDAY MORNINGS +
 +++++
 Call Jim Seitz (875-5532) to be a host or hostess. SIGN UP IF YOU WANT ANY COFFEE!!

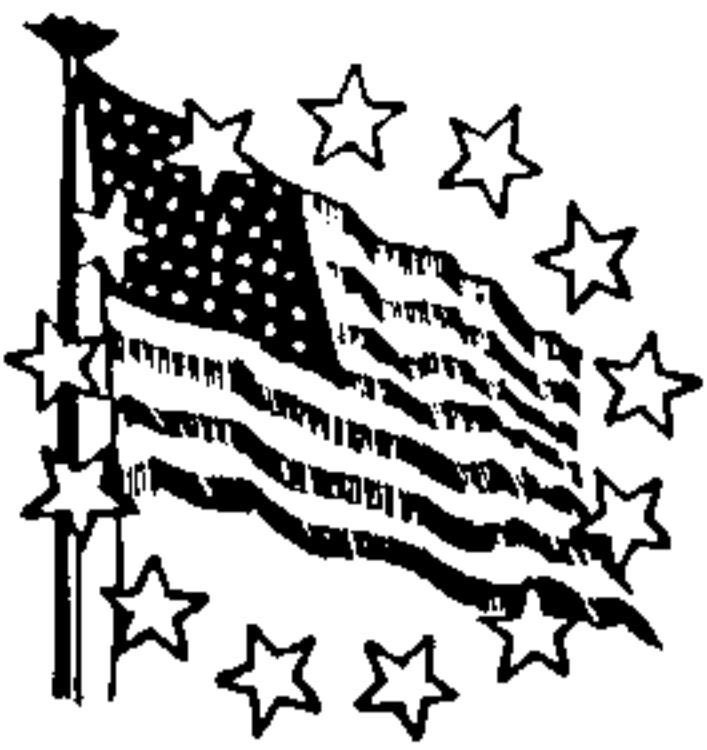
!!! NO NEWSLETTER !!!
 WILL BE PUBLISHED
 IN AUGUST

At each Saturday meeting and hopefully each evening meeting as well, Curt Borders will be leading a group designed to help members add hardware options and modifications to their equipment. All welcome.

July - Fred Deaner

ALL MEMBERS WILL BE NOTIFIED IF A MEETING PLACE CAN BE FOUND FOR THE AUGUST MEETING.

MEETING AGENDA
 WEDNESDAY JUNE 22, 1988
 Plans to date: To show the highlights of the Videotape of the Lima Faire and Irwin will do a demo on use of the computer by the blind.



M U L T I - P L A N
as an I N D E X to S T O R E D I T E M S

by Fred A. Tietzel

Accumulated possessions can in time present a storage problem. Many of us in time accumulate a sizeable amount of infrequently used items. The accumulation of these items and the lack of sufficient organized storage space results in wasted energy and time spent finding a place to store an item and then later to find it when the need for it arises. One solution to this is a well indexed high density storage system. A successful working HIGH DENSITY STORAGE SYSTEM will be described.

The system is economical and easy to manage. Storage container requirements are as follows:

- O Uniform footprint for easy stacking
- O Removable top, simple closure for dust free storage and easy access
- O Container heights variable to match stored items (container content)
- O Limit stacking depth to 2 or 3 units for minimal handling to retrieve an item
- O Minimal cost containers

A free container that satisfies the above requirements is the paper supply box for 8-1/2 x 11 office copy machine paper. Boxes measuring 11-1/2 by 17-1/2 by 9-1/2 to 10-inches deep are readily available from businesses that provide copy service, as they empty a sizeable quantity of boxes in a week.

Some items suitable for storage in this size box are:

- O Books, Collector Items, Spare Dishes, Magazines
- O Camera equipment, Slides, Photos, etc
- O Seldom used tools and automotive equipment
- O Some recreational equipment and seasonal clothing

A box fully loaded with books can weigh 40 or 50 pounds, thus it is best to only stack them two high. A storage rack with four 48 x 30 shelves can have the lower three shelves loaded two deep and still be under 6 ft. 6 in. to permit movement through a 2-8 x 6-8 door. Such a rack will hold 36 boxes on the first three shelves. The top shelf is loaded with 4 to 6 boxes containing

light weight material such as clothing. The heaviest boxes are best placed on the bottom two shelves for ease of handling.

This working system uses an index listing on MULTI-PLAN spread sheets. MULTI-PLAN was chosen for the following reasons:

1. Arrangement and format changes can be easily made without retyping the data.
2. Any column of data can be alphabetized.
3. Data lists are by types or categories, thus most if not all lists will contain fewer than 255 items.
4. Computer search is not advantageous as it takes too much time to boot up - manual look up in an alphabetical list is faster.
5. All lists have been formatted to provide the needed data on data on an 8-1/2-inch wide page with pica type.

Several data forms for the detailed listings evolved before settling on the present form. The present form shown below has columns 1 through 6 with widths of 10, 3, 30, 15, 6, and 7 respectively. A detailed listing of my stored books, boxes BF01 thru BF12, are shown on the next two pages. This is followed with an alphabetized listing of the same material. You can find that books pertaining to "CONCRETE" are in boxes BF06 and BF12 and "MASONARY" books are in boxes BF05, BF07, and BF12, etc.

	1	2	3	4	5	6
1						
2	DATE: __/ __/ __					
3				S T O R A G E	R E C O R D	
4	CATAGORY: _____					
5						
6	=====					
7						
8	NOUN	MODIFIERS		AUTHOR	BOX NO.	LOCAT'N
9						
10	-----					
11		:				
12		:				

FIGURE NO. 1. FORMAT FOR DETAILED LISTING

The index listing for box content includes:

1. Clue word / keyword for easy alphabetical retrieval.
2. Keyword modifier (adjective) provides selective identification for a larger general category.

1	2	3	4	5	6
2	DATE: / /				
4	CATEGORY: BF1-12				
8	MODIFIERS				
9	AUTHOR				BOX LOCAT'N NO.
11	VIBRATION	MECHANICAL VIBRATIONS	DEN HARTOG	BF01	3R1.1
12	KINEMATIC	MACHINE DESIGN	GUILLET	BF01	3R1.1
13	HANDBOOK	MACHINERY'S HOBK 22nd ED		BF01	3R1.1
14	HANDBOOK	CHEM & PHY, 42nd ED		BF01	3R1.1
15	TABLES	MATH from CHEM & PHY HB		BF01	3R1.1
16	CONVERS'N	PHYSICAL MEASUREMENTS (SI)		BF01	3R1.1
17	GRAPHIC	SOLUTIONS, FALK'S		BF01	3R1.1
18	HANDBOOK	STRUCTURAL, ALCOA		BF01	3R1.1
19	HANDBOOK	ENGINEER'S FUNDAMENTALS		BF01	3R1.1
20	HANDBOOK	NEW DEPARTURE:-V1, 19th		BF01	3R1.1
21	HANDBOOK	NEW DEPARTURE:-V2, 19th		BF01	3R1.1
22	PHYSICS	PHYSICS DSU	HAUSMANN-BLACK	BF01	3R1.1
23	MACHINE	DESIGN, PRINCIPLES OF MACHINE	NORMAN	BF01	3R1.1
24	MECHANICS	MECHANICS, APPLIED	POORMAN	BF01	3R1.1
25	MECHANICS	ENGINEERING MECHANICS	TIMOSHENKO & YO	BF01	3R1.1
26					
27	WORD	RIGHT WORD, USE THE	MAYAKAM	BF02	1R1.1
28	WORD	FINDER, FAMILY WORD (RD)		BF02	1R1.1
29	WORDS	SUCCESS WITH WORDS (RD)		BF02	1R1.1
30	WRITING	EFFECTIVE TECHNICAL WRITING	FICBY	BF02	1R1.1
31	WRITING	REPORT WRITING	GAUN-GRAVES-HOF	BF02	1R1.1
32	MANUAL	STYLE, USEPO, 1973		BF02	1R1.1
33	MANUAL	AIR FORCE WRITING, 1969		BF02	1R1.1
34	ENGLISH	ENGINEERS, FOR, DSU		BF02	1R1.1
35	ENGLISH	CENTURY COLLEGIATE HOBK		BF02	1R1.1
36	MANUAL	WRITER'S HOBK, REPORT		BF02	1R1.1
37	MANUAL	STYLE GUIDE, R W, 1956		BF02	1R1.1
38	MANUAL	STYLE GUIDE, R W, 1966		BF02	1R1.1
39	MANUAL	TYPING, PERSONAL		BF02	1R1.1
40	WRITING	FDG INDEX, GUNNING'S		BF02	1R1.1
41	WRITING	TECHNICAL - BMT CLASS WBK			
42					
43	DRAWING	REQUIRE'T MANUAL, DOD		BF03	3R1.2
44	DRAWING	TOLERANC'S & SYM, GRI		BF03	3R1.2
45	REFERENCE	TELEPHONE DIRECT, IRLO		BF03	3R1.2
46	CATALOG	ABBODM		BF03	3R1.2
47	MANUAL	CERRO ALLOYS		BF03	3R1.2
48	DRAWING	DIMENSION, TOLER, 1966		BF03	3R1.2
49	DRAWING	6EO-METRICS 1, FOSTER		BF03	3R1.2
50	DRAWING	6EO-METRICS 2, FOSTER		BF03	3R1.2

1	2	3	4	5	6
51	DRAWING	DIM/TOL, AMB1 -1982		BF03	3R1.2
52				BF03	3R1.2
53	MATH	PRANCICAL: (4 BK SET) FOR TODAY:- BETZ		BF04	2R1.2
54	ALGEBRA	ADVANCED:-EDGERTON & C		BF04	2R1.2
55	ALGEBRA	COLLEGE:-ROUSE		BF04	2R1.2
56	ALGEBRA	PLANE:-ROSENBACK-W-M		BF04	2R1.2
57	TRIG	PLANE:-NEWORTH-SMITH		BF04	2R1.2
58	TRIG	NEW SOLID:-DURELL-ARMOL		BF04	2R1.2
59	GEOMETRY,	INTERNAL COMBUSTION:-J-D		BF04	2R1.2
60	ENGINES,	YOUTH MUST FLY:-MCDONALD		BF04	2R1.2
61	GLIDING	MOTION, VIBRA:-SLATER-F		BF04	2R1.2
62	MECHANICS	PERSPECTIVE:-LYBSCHERZ		BF04	2R1.2
63	DRAWING	AERODYNAMICS:-PARKINSON		BF04	2R1.2
64	AERO	GLUING, AIRCRAFT (1930)		BF04	2R1.2
65	WOOD	STRENGTH & PROPERTIES (1935)		BF04	2R1.2
66	WOOD	REAGENTS &:-BNA CAT.		BF04	2R1.2
67	CHEMICALS	AUSTRALIAN BIRD BK:-LEACH		BF04	2R1.2
68	BIRDS	WHAT BIRD IS THAT? (AUSSTIE)		BF04	2R1.2
69	BIRDS				
70					
71	CARPENTRY	CARPENTRY - G.J.LEWIS		BF05	3R3.4
72	CARPENTRY	GENERAL CARPENTRY - SPENCE		BF05	3R3.4
73	CONSTRUCT	LT BLD'G CONSTRUCTION		BF05	3R3.4
74	CONSTRUCT	PRIN & PRACT OF LT CONSTRU		BF05	3R3.4
75	CONTRACT'	BLD'G YOUR OWN HOUSE		BF05	3R3.4
76	CONSTRUCT	ENCYCLO OF HOUSE CONSTR		BF05	3R3.4
77	SHeltered	GUIDE TO EARTH S HOUS'G		BF05	3R3.4
78	DESIGN	HOW TO D & BLD YOUR OWN H		BF05	3R3.4
79	DECORAT'G	NEW DECORATING BOOK		BF05	3R3.4
80	CONSTRUCTI	BLD'G CONSTRUCT'N ILLUSTRATED		BF05	3R3.4
81	CONSTRUCTI	CONSTR DET, EMGY CONSERV & PS TAYLOR, R.D.		BF05	3R3.4
82	CONSTRUCTI	CONSTR CONCEPTS, PASSIV SOLAR MC EMGY EXT SER		BF05	3R3.4
83	CONSTRUCTI	RESIDENTIAL CONSTR, PRIN & PRACALCOME, J.D.		BF05	3R3.4
84	POLE	POLE BLD'G CONSTRUCTION		BF05	3R3.4
85	HOUSE	HOUSE OF IDEAS		BF05	3R3.4
86	MASONRY	MASONRY & CONCRETE		BF05	3R3.4
87	MASONRY	MASONRY & CONCRETE WORK		BF05	3R3.4
88	PLUMBING	BASIC & ADV PLUMBING		BF05	3R3.4
89	TILE	T INDOORS & OUT EVERY KIND		BF05	3R3.4
90	TOOLS	GREAT TOOL EMPORIUM		BF05	3R3.4
91					
92	CONCRETE	PS SB BK * CONC & MASONRY		BF06	3R2.1
93	CABIN	PS SB BLD CAB OR VAC HO		BF06	3R2.1
94	HEATING	PS SB H YOUR HOME * WOOD		BF06	3R2.1
95	GLUES	PS SB GUIDE GLUES/ADHES		BF06	3R2.1
96	TOOLS	PS SB H TO USE HO/POWER		BF06	3R2.1
97	ELECTRICI	PS SB YUR OWN HO ELECT' TAM		BF06	3R2.1
98	STORAGE	PS SB CABINET,CLOSET, W B		BF06	3R2.1
99	LUMBER	PS SB CHOOSE/USE L,PM,PR,L		BF06	3R2.1
100	FURNITURE	PS SB BLD YUR OWN FURNI		BF06	3R2.1

1	2	3	4	5	6
101 PLUMBING	PS SB GUIDE PLU, HEAT, A/C			BF06	3R2.1
102 INSULAT'G	PS SB DD YUR DMN H INSUL			BF06	3R2.1
103 REC ROOM	PS SB RK YUR DMN REC/HOBBY			BF06	3R2.1
104 LANDSCAPG	PS SB GUIDE LAMG/LANDSCA			BF06	3R2.1
105 PLUMBING	AUDEL PLUMBERS LIB VOL 1			BF06	3R2.1
106 PLUMBING	AUDEL PLUMBERS LIB VOL 2			BF06	3R2.1
107 PLUMBING	AUDEL PLUMBERS LIB VOL 3			BF06	3R2.1
108 ROOFING	AUDEL COMPL ROOF'G HDBK			BF06	3R2.1
109 CONSTRU'M	AUDEL COMPL BLDG CONSTRU'M			BF06	3R2.1
110 ESTIMAT'G	BLDG ESTIMATOR'S REF BK			BF06	3R2.1
111 FORMULAS	FORMU, METH, TIPS, & DATA			BF06	3R2.1
112 CONCRETE	COMPL CONG, MASON, BRICK HDBK			BF06	3R2.1
113 CATALOG	GRAINGER'S			BF06	3R2.1
114 ESTIMAT'G	WALKER'S POCKET ESTIMATOR			BF06	3R2.1
115 ROOFING	ROOF'G, SID'G, PAINT'G REF			BF06	3R2.1
116 CONSTRU'M	CONSTRUCTION V P REF BK			BF06	3R2.1
117 CONSTRU'M	BASIC BUILD'G DATA: BRKF			BF06	3R2.1
118					
119 JOINERY	JOINERY: TOOLS & TECHNIQUES			BF07	3R1.3
120 PROJECTS	101 D-I-Y PROJECTS - RD			BF07	3R1.3
121 CABINETS	DES'N, BLD, INSTALL CUSTOM			BF07	3R1.3
122 FURNITURE	FIND'G, FIN'G, FINISH'G			BF07	3R1.3
123 CABINETS	CABINETMAKING - CALHOUN			BF07	3R1.3
124 JOINERY	WOODWORKING TECH: JOINTS			BF07	3R1.3
125 PROJECTS	PRJTS FOR THE WEEKEND			BF07	3R1.3
126 FINISHING	WOOD FINISHING METHODS			BF07	3R1.3
127 PROJECTS	PRGTS FOR OUTDOOR LIV'G			BF07	3R1.3
128 FURNITURE	FURNITURE YOU CAN MAKE			BF07	3R1.3
129 PATTERNS	EASY-BUILD, BUILD-IT-Y CATALOG			BF07	3R1.3
130 PLASTICS	PS SB WORK'G W PLASTICS			BF07	3R1.3
131 WELDING	PS SB ELECTRIC/ GAS WELD'G			BF07	3R1.3
132 MASONRY	PS SB BRICKLAY'G/STONE M			BF07	3R1.3
133 FINISHING	NOTES: FORMBY, FAMILY CIR			BF07	3R1.3
134 WOOD	IDENTIFY: WHAT WD IS THAT?			BF07	3R1.3
135 SAMPLE, WD	(WHAT WOOD IS THAT?)			BF07	3R1.3
136 CABINETING	CABINETMAK'G & MILLWDRK			BF07	3R1.3
137 WOODWORK	ADV WOODWK & FURNI MAK'G			BF07	3R1.3
138 WOODWORKS	PS WOODWORK'G WISDOM			BF07	3R1.3
139 YEARBOOK	83 PS DO-IT-YOURSELF YB			BF07	3R1.3
140 YEARBOOK	84 PS DO-IT-YOURSELF YB			BF07	3R1.3
141 YEARBOOK	85 PS DO-IT-YOURSELF YB			BF07	3R1.3
142 PROJECTS	85 PS WOODWORK'G PJTS YB			BF07	3R1.3
143 PROJECTS	D-I-Y PJTS ATTIC/BASEM'T			BF07	3R1.3
144 TOOLS	COMPL HDBK OF POWER TOOLS				
145					
146 PHOTO'Y	PHOTO'Y ENCYCLOPEDIA 20V			BF08	1R2.1
147					
148 WIND	THE WIND POWER BK: -PARK			BF09	1R1.5
149 WIND	HOME WIND POWER: -GA MAY			BF09	1R1.5
150 WIND	WIND MACHINES: -NSF			BF09	1R1.5
151 WIND	HOME MADE ELECTRICITY: -DOE			BF09	1R1.5
152 WIND	WIND ENERGY FACT SH: -OSO			BF09	1R1.5

1	2	3	4	5	6
153 WIND	A S E MAGAZINE: -MAR '86			BF09	1R1.5
154 WIND	A S E MAGAZINE: -S/D '85			BF09	1R1.5
155 WIND	WIND RESOURCE DATA LOG'R			BF09	1R1.5
156 WIND	WIND ENERGY: -KOVARIK, P., H-			BF09	1R1.5
157 WIND	HOW TO B Y DMN POWER CD			BF09	1R1.5
158 WIND	WATER PUMP'G WINDMILL BK			BF09	1R1.5
159 WIND	COMMON SENSE WIND ENERGY			BF09	1R1.5
160 WIND	WIND EMPT NOTES & CLIP'G			BF09	1R1.5
161					
162 SOLAR D	2 IN NB - SOLAR SPACES			BF10	3R3.3
163 SOLAR D	2 IN NB - TIME-SAVER STD			BF10	3R3.3
164 SOLAR D	2 IN NB - DESIGN REF			BF10	3R3.3
165 SOLAR D	2 IN NB - SOLAR PROD SPEC GUD			BF10	3R3.3
166 SOLAR D	PASSIVE SOLAR PROD CATALOG			BF10	3R3.3
167 SOLAR D	RES WOOD COMBUSTION SAFETY			BF10	3R3.3
168 SOLAR D	MANU OF STRUCT DES & ENG SOL			BF10	3R3.3
169					
170 CEMENT	FERRACEMENT: S. ABERCROMBIE			BF11	3R3.8
171 SOLAR E	SOLAR ENGG OF THER P: BUEFFIE			BF11	3R3.8
172 SOLAR E	SOLU MANU FOR S E T P			BF11	3R3.8
173 TIMBER D	TIMBER CONST MANU: AITC			BF11	3R3.8
174 WEATHERITT	WEATHERIZING YOUR HOME			BF11	3R3.8
175 WIRING	ELECTRICAL INSP GIBK			BF11	3R3.8
176 MANAGE	MANAGE YR DM RENOVA PROJ			BF11	3R3.8
177 UNDERGROUN	THE USE OF E COVERED BLDGS			BF11	3R3.8
178 LAYOUT	BUILDING LAYOUT: W.P. JACKSON			BF11	3R3.8
179 UNDERGROUN	UNDERGROUND HOMES: SCOTT			BF11	3R3.8
180 SURVEYING	ENGG SURVEYS: RUBEY, LDMEL, DD			BF11	3R3.8
181 SOLAR	SOLAR HOMES & SUN HEAT'G: DAIJ			BF11	3R3.8
182 WIRING	PRACTICAL ELECT WIRING: RICHE			BF11	3R3.8
183 WIRING C	NAT ELECT CODE HDBK			BF11	3R3.8
184 PHONE D	BV, FAIRPLAY, SALIDA DIRECTORY			BF11	3R3.8
185					
186 SOLAR D	COPIES OF BOOKS / LEGAL FILE			BF12	3R2.6
187 CONCRETE	PRACT PRESTRESSED CONCRETE	PRESTON, HK		BF12	3R2.6
188 CONCRETE	REINF CONG CONSTRUCTION	WYNNE, GB		BF12	3R2.6
189 CONCRETE	REINF CONG DESIGN	SPIEGEL, L		BF12	3R2.6
190 CONCRETE	DES OF REINF CONG STRUCTUREE	COMAN, NJ		BF12	3R2.6
191 MASONRY	MAS MAT'L, DES, CONSTRUCTION	SMITH, RC		BF12	3R2.6
192 MASONRY	REINF MAS DESIGN: SCHWEIDER RR	DICKEY, WL		BF12	3R2.6
193 MASONRY	STRUCTURAL MASONRY	SAHLIN, S		BF12	3R2.6
194 STEEL	DES IN STRUCTURAL STEEL	LOTHERS, JE		BF12	3R2.6
195 STEEL	STEEL STRUCTURES: DES & BEHW	SALMON, CG		BF12	3R2.6
196 STEEL	SIMP DES OF STRUCT STEEL	PARKER, M		BF12	3R2.6
197 TIMBER	TIMBER CONST MANUAL			BF12	3R2.6
198 WOOD	DES OF WOOD STRUCTURES	BREYER, DE		BF12	3R2.6
199 STORAGE	FUNDA OF EMERGY STORAGE	JENSEN, J		BF12	3R2.6
200 SOLAR D	SOLAR HEAT'G DES: F-CRT	BECKMAN, MA		BF12	3R2.6
201 SOLAR	SOLAR RADIATION	ROBINSON, N		BF12	3R2.6
202 CONSERVATI	EMERGY CONSERVATION STANDARDS	DUBIN, F.S.		BF12	3R2.6
203 DRAWING	DRAFT'G FOR TRADES & IND, NCH	NELSON, J.A.		BF12	3R2.6

1	2	3	4	5	6
1	DATE: / /				
2	CATEGORY: BF1-12 ALPHABETIZED				
3					
4					
5					
6					
7					
8	NOUN	MODIFIERS	AUTHOR	BOX	LOCAT'N
9				NO.	
10					
11	AERO	: AERODYNAMICS:-PARKINSON		BF04	2R1.2
12	ALGEBRA	: FOR TODAY:- BETZ		BF04	2R1.2
13	ALGEBRA	: ADVANCED:-EDGERTON & C		BF04	2R1.2
14	ALGEBRA	: COLLEGE:-ROUSE		BF04	2R1.2
15	BIRDS	: AUSTRALIAN BIRD BK:-LEACH		BF04	2R1.2
16	BIRDS	: WHAT BIRD IS THAT? (AUSSIE)		BF04	2R1.2
17	CABIN	: PS SB BLD CAB OR VAC HO		BF06	3R2.1
18	CABINETS	: CABINETMAK'G & MILLWORK		BF07	3R1.3
19	CABINETS	: DES'N,BLD,INSTALL CUSTOM		BF07	3R1.3
20	CABINETS	: CABINETMAKING - CALHOUN		BF07	3R1.3
21	CARPENTRY	: CARPENTRY - G.J.LEWIS		BF05	3R3.4
22	CARPENTRY	: GENERAL CARPENTRY - SPENCE		BF05	3R3.4
23	CATALOG	: GRAINGER'S		BF06	3R2.1
24	CATALOG	: ABBEON		BF03	3R1.2
25	CEMENT	: FERROCEMENT: S.ABERCROMBIE		BF11	3R3.8
26	CHEMICALS	: REAGENTS &:-B&A CAT.		BF04	2R1.2
27	CONCRETE	: PS SB BK W CONC & MASONRY		BF06	3R2.1
28	CONCRETE	: COMPL CONC,MASON,BRICK HDBK		BF06	3R2.1
29	CONCRETE	: PRACT PRESTRESSED CONCRETE	PRESTON,HK	BF12	3R2.6
30	CONCRETE	: REINF CONC CONSTRUCTION	WYNNE,GB	BF12	3R2.6
31	CONCRETE	: REINF CONC DESIGN	SPIEGEL,L	BF12	3R2.6
32	CONCRETE	: DES OF REINF CONC STRUCTURES	COMAN,HJ	BF12	3R2.6
33	CONSERVATI	: ENERGY CONSERVATION STANDARDS	DUBIN, F.S.	BF12	3R2.6
34	CONSTRU'N	: AUDEL COMPL BLDG CONSTRU'N		BF06	3R2.1
35	CONSTRU'N	: CONSTRUCTION V P REF BK		BF06	3R2.1
36	CONSTRU'N	: BASIC BUILD'G DATA: GRAF		BF06	3R2.1
37	CONSTRUCT	: LT BLD'G CONSTRUCTION		BF05	3R3.4
38	CONSTRUCT	: PRIM & PRACT OF LT CONSTRU		BF05	3R3.4
39	CONSTRUCT	: ENCYCLO OF HOUSE CONSTR		BF05	3R3.4
40	CONSTRUCTI	: RESIDENTIAL CONSTR, PRIM & PRAFALCONE, J.D.		BF05	3R3.4
41	CONSTRUCTI	: BLD'G CONSTRUCT'N ILLUSTRATED		BF05	3R3.4
42	CONSTRUCTI	: CONSTR DET, EMGY CONSERV & PS TAYLOR, R.D.		BF05	3R3.4
43	CONSTRUCTI	: CONSTR CONCEPTS, PASSIV SOLAR MC ENGY EXT SER		BF05	3R3.4
44	CONTRACT'	: BLD'G YOUR OWN HOUSE		BF05	3R3.4
45	CONVERS'N	: PHYSICAL MEASUREMENTS (SI)		BF01	3R1.1
46	DECORAT'G	: NEW DECORATING BOOK		BF05	3R3.4
47	DESIGN	: HOW TO D & BLD YOUR OWN H		BF05	3R3.4
48	DRAWING	: REQUIREM'T MANUAL, DOD		BF03	3R1.2

1	2	3	4	5	6
49	DRAWING	: TOLERANC'G & SYM, GMI		BF03	3R1.2
50	DRAWING	: DIMENSION, TOLER, 1966		BF03	3R1.2
51	DRAWING	: GEO-METRICS 1, FOSTER		BF03	3R1.2
52	DRAWING	: GEO-METRICS 2, FOSTER		BF03	3R1.2
53	DRAWING	: DIM/TOL, ANSI -1982		BF03	3R1.2
54	DRAWING	: PERSPECTIVE:-LYBSCHERZ		BF04	2R1.2
55	DRAWING	: DRAFT'G FOR TRADES & IND, ARCH NELSON, J.A.		BF12	3R2.6
56	ELECTRICI	: PS SB YUR OWN HO ELECT'IAN		BF06	3R2.1
57	ENGINES,	: INTERNAL COMBUSTION, :-J-D		BF04	2R1.2
58	ENGLISH	: ENGINEERS, FOR, OSU		BF02	1R1.1
59	ENGLISH	: CENTURY COLLEGIATE HDBK		BF02	1R1.1
60	ESTIMAT'G	: BLDG ESTIMATOR'S REF BK		BF06	3R2.1
61	ESTIMAT'G	: WALKER'S POCKET ESTIMATOR		BF06	3R2.1
62	FINISHING	: WOOD FINISHING METHODS		BF07	3R1.3
63	FINISHING	: NOTES:FORMBY,FAMILY CIR		BF07	3R1.3
64	FORMULAS	: FORMU, METH, TIPS,&DATA		BF06	3R2.1
65	FURNITURE	: PS SB BLD YUR OWN FURNI		BF06	3R2.1
66	FURNITURE	: FIND'G,FIN'G,FINISH'G		BF07	3R1.3
67	FURNITURE	: FURNITURE YOU CAN MAKE		BF07	3R1.3
68	GEOMETRY,	: NEW SOLID, :-DURELL-ARMOL		BF04	2R1.2
69	GLIDING	: YOUTH MUST FLY:-MCDONALD		BF04	2R1.2
70	GLUES	: PS SB GUIDE GLUES/ADHES		BF06	3R2.1
71	GRAPHIC	: SOLUTIONS, FALK'S		BF01	3R1.1
72	HANDBOOK	: MACHINERY'S HDBK 22nd ED		BF01	3R1.1
73	HANDBOOK	: CHEM & PHY, 42nd ED		BF01	3R1.1
74	HANDBOOK	: STRUCTURAL, ALCOA		BF01	3R1.1
75	HANDBOOK	: ENGINEER'G FUNDAMENTALS		BF01	3R1.1
76	HANDBOOK	: NEW DEPARTURE:-V1, 19th		BF01	3R1.1
77	HANDBOOK	: NEW DEPARTURE:-V2, 19th		BF01	3R1.1
78	HEATING	: PS SB H YOUR HOME W WOOD		BF06	3R2.1
79	HOUSE	: HOUSE OF IDEAS		BF05	3R3.4
80	INSULAT'G	: PS SB DO YUR OWN H INSUL		BF06	3R2.1
81	JOINERY	: JOINERY:TOOLS&TECHNIQUES		BF07	3R1.3
82	JOINERY	: WOODWORKING TECH:JOINTS		BF07	3R1.3
83	KINEMATIC	: MACHINE DESIGN	GUILLET	BF01	3R1.1
84	LANDSCAPG	: PS SB GUIDE LAWNS/LANDSCA		BF06	3R2.1
85	LAYOUT	: BUILDING LAYOUT: M.P.JACKSON		BF11	3R3.8
86	LUMBER	: PS SB CHOOSE/USE L,PH,PB,L		BF06	3R2.1
87	MACHINE	: DESIGN, PRINCIPLES OF MACHINE MORMAN		BF01	3R1.1
88	MANAGE	: MANAGE YR ON RENOVVA PROJ		BF11	3R3.8
89	MANUAL	: STYLE, USGPO, 1973		BF02	1R1.1
90	MANUAL	: AIR FORCE WRITING, 1969		BF02	1R1.1
91	MANUAL	: WRITER'S HDBK, REPORT		BF02	1R1.1
92	MANUAL	: STYLE GUIDE, R W, 1956		BF02	1R1.1
93	MANUAL	: STYLE GUIDE, R W, 1966		BF02	1R1.1
94	MANUAL	: TYPING, PERSONAL		BF02	1R1.1
95	MANUAL	: CERRO ALLOYS		BF03	3R1.2
96	MASONRY	: MASONRY & CONCRETE		BF05	3R3.4

1	2	3	4	5	6
145 STORAGE	FUNDA OF ENERGY STORAGE		JENSEN, J	BF12	3R2.6
146 SURVEYING	EN66 SURVEYS: RUBEY, LOMMEL, TOD			BF11	3R3.8
147 TABLES	MATH FROM CHEM & PHY MB			BF01	3R1.1
148 TILE	T INDOORS & OUT EVERY KIND			BF05	3R3.4
149 TIMBER	TIMBER CONST MANUAL			BF12	3R2.6
150 TIMBER D	TIMBER CONST MANU: AITC			BF11	3R3.8
151 TOOLS	GREAT TOOL EMPORIUM			BF05	3R3.4
152 TOOLS	PS SB H TO USE HD/POWER			BF06	3R2.1
153 TOOLS	COMPL HDBK OF POWER TOOLS				
154 TR16	PLANE, :-ROSENBAACH-W-M			BF04	2R1.2
155 TR16	PLANE, :-WENTWORTH-SMITH			BF04	2R1.2
156 UNDERGROUN	THE USE OF E COVERED BLDGS			BF11	3R3.8
157 UNDERGROUN	UNDERGROUND HOMES: SCOTT			BF11	3R3.8
158 VIBRATION	MECHANICAL VIBRATIONS		DEN HARTOG	BF01	3R1.1
159 WEATHERIII	WEATHERIZING YOUR HOME			BF11	3R3.8
160 WELDING	PS SB ELECTRIC/GAS WELD'G			BF07	3R1.3
161 WIND	THE WIND POWER BK: -PARK			BF09	1R1.5
162 WIND	HOME WIND POWER: -6A WAY			BF09	1R1.5
163 WIND	WIND MACHINES: -NSF			BF09	1R1.5
164 WIND	HOMEMADE ELECTRICITY: -DOE			BF09	1R1.5
165 WIND	WIND ENERGY FACT SH: -DSO			BF09	1R1.5
166 WIND	A S E MAGAZINE: -MAR '86			BF09	1R1.5
167 WIND	A S E MAGAZINE: -S/O '85			BF09	1R1.5
168 WIND	WIND RESOURCE DATA LOG'R			BF09	1R1.5
169 WIND	WIND ENERGY: -KOVARIK, P., H-			BF09	1R1.5
170 WIND	HOW TO B Y OWN POWER CD			BF09	1R1.5
171 WIND	WATER PUMP'G WINDMILL BK			BF09	1R1.5
172 WIND	COMMON SENSE WIND ENERGY			BF09	1R1.5
173 WIND	WIND EMPT NOTES & CLIP'G			BF09	1R1.5
174 WIRING	ELECTRICAL INSP 61BK			BF11	3R3.8
175 WIRING	PRACTICAL ELECT WIRING: RICHTIE			BF11	3R3.8
176 WIRING C	NAT ELECT CODE HDBK			BF11	3R3.8
177 WOOD	GLUING, AIRCRAFT (1930)			BF04	2R1.2
178 WOOD	STRENGTH & PROPERTIES (1935)			BF04	2R1.2
179 WOOD	IDENTIFY: WHAT WD IS THAT?			BF07	3R1.3
180 WOOD	DES OF WOOD STRUCTURES		BREYER, DE	BF12	3R2.6
181 WOODWORK	ADV WOODWK & FURNI MAK'G			BF07	3R1.3
182 WOODWORKG	PS WOODWORK'G WISDOM			BF07	3R1.3
183 WORD	RIGHT WORD, USE THE		HAYAKAW	BF02	1R1.1
184 WORD	FINDER, FAMILY WORD (RD)			BF02	1R1.1
185 WORDS	SUCCESS WITH WORDS (RD)			BF02	1R1.1
186 WRITING	EFFECTIVE TECHNICAL WRITING		TICHY	BF02	1R1.1
187 WRITING	REPORT WRITING			BF02	1R1.1
188 WRITING	FO6 INDEX, GUNNING'S		SAUM-GRAVES-HOF	BF02	1R1.1
189 WRITING	TECHNICAL - BM1 CLASS WBK			BF07	3R1.3
190 YEARBOOK	83 PS DO-IT-YOURSELF YB			BF07	3R1.3
191 YEARBOOK	84 PS DO-IT-YOURSELF YB			BF07	3R1.3
192 YEARBOOK	85 PS DO-IT-YOURSELF YB			BF07	3R1.3

1	2	3	4	5	6
97 MASONRY	MASONRY & CONCRETE WORK			BF05	3R3.4
98 MASONRY	PS SB BRICKLAY'G/STONE M			BF07	3R1.3
99 MASONRY	MAS MAT L, DES, CONSTRUCTION	SMITH, RC		BF12	3R2.6
100 MASONRY	REINF MAS DESIGN: SCHNEIDER, RR	DICKEY, ML		BF12	3R2.6
101 MASONRY	STRUCTURAL MASONRY	SAHLIN, S		BF12	3R2.6
102 MATH	PRANCICAL: (4 BK SET)			BF04	2R1.2
103 MECHANICS	MECHANICS, APPLIED	POORNAM		BF01	3R1.1
104 MECHANICS	ENGINEERING MECHANICS	TINDSHEKID & YO		BF01	3R1.1
105 MECHANICS	MOTION, VIBRA, :-SLATER-F			BF04	2R1.2
106 PATTERNS	EASI-BLD, BUILD-IT-Y CATALOG			BF07	3R1.3
107 PHONE D	BV, FAIRPLAY, SALIDA DICTORY			BF11	3R3.8
108 PHOTO'Y	PHOTO'Y ENCYCLOPEDIA 20V			BF08	1R2.1
109 PHYSICS	PHYSICS DSU	HAUSHAM-SLACK		BF01	3R1.1
110 PLASTICS	PS SB WOK'G * PLASTICS			BF07	3R1.3
111 PLUMBING	BASIC & ADV PLUMBING			BF05	3R3.4
112 PLUMBING	PS SB GUIDE PLU, HEAT, A/C			BF06	3R2.1
113 PLUMBING	AUDEL PLUMBERS LIB VOL 1			BF06	3R2.1
114 PLUMBING	AUDEL PLUMBERS LIB VOL 2			BF06	3R2.1
115 PLUMBING	AUDEL PLUMBERS LIB VOL 3			BF06	3R2.1
116 POLE	POLE BID'G CONSTRUCTION			BF05	3R3.4
117 PROJECTS	101 D-I-Y PROJECTS - RD			BF07	3R1.3
118 PROJECTS	PRJTS FOR THE WEEKEND			BF07	3R1.3
119 PROJECTS	PRETS FOR OUTDOOR LIV'G			BF07	3R1.3
120 PROJECTS	85 PS WOODWORK'G PJTS YB			BF07	3R1.3
121 PROJECTS	D-I-Y JTS ATTIC/BASEM'T			BF07	3R1.3
122 REC ROOM	PS SB K YUR OWN REC/HOBBY			BF06	3R2.1
123 REFERENCE	TELEPHONE DIRECT, 1R&D			BF03	3R1.2
124 ROOFING	AUDEL COMPL ROOF'G HDBK			BF06	3R2.1
125 ROOFING	ROOF'G SID'G, PAINT'G REF			BF06	3R2.1
126 SAMPLE, WD	WHAT WOOD IS THAT?			BF06	3R2.1
127 SHELTERED	GUIDE TO EARTH & HOUS'G			BF07	3R1.3
128 SOLAR	SOLAR HOMES & SUN HEAT'G: DAWI			BF05	3R3.4
129 SOLAR	SOLAR RADIATION	ROBINSON, M		BF11	3R3.8
130 SOLAR D	2 IN W - SOLARSPACES			BF12	3R2.6
131 SOLAR D	2 IN W - TIME-SAVER STD			BF10	3R3.3
132 SOLAR D	2 IN W - DESIGN REF			BF10	3R3.3
133 SOLAR D	2 IN W - SOLAR PROD SPEC GUID			BF10	3R3.3
134 SOLAR D	PASSIVE SOLAR PROD CATALOG			BF10	3R3.3
135 SOLAR D	RES WOOD COMBUSTION SAFETY			BF10	3R3.3
136 SOLAR D	MANU OF STRUCT DES & ENG SOL			BF10	3R3.3
137 SOLAR D	COPIES OF BOOKS / LEGAL FILE			BF12	3R2.6
138 SOLAR D	SOLAR HEAT'G DES: F-CHT	BECKMAN, WA		BF12	3R2.6
139 SOLAR E	SOLAR EN66 OF THER P: DUFFIE			BF11	3R3.8
140 SOLAR E	SOLU MANU FOR S E T P			BF11	3R3.8
141 STEEL	DES IN STRUCTURAL STEEL	LOTHERS, JE		BF12	3R2.6
142 STEEL	STEEL STRUCTURES: DES & BEHAV	SALMON, CG		BF12	3R2.6
143 STEEL	SIMPLES OF STRUCT STEEL	PARKER, H		BF12	3R2.6
144 STORAGE	PS SB CABINET, CLOSET, W S			BF06	3R2.1

3. Other identifier typical of item type. (Author, Material, Publisher, Supplier, Used on or with, etc.) These are entered in column 4.
4. Box No. (Four character code)
5. Storage location

Storage location uses a five character code to identify the high density storage rack number, the right or left side of the rack, the shelf (counting from the bottom), and the location on the shelf. This will be shown better later when storage racks are discussed.

A box should contain only one type of item. Boxes are coded by a four character code consisting of two letters and two numbers. The first letter of the code identifies the type of item and the second letter is a modifier. The two numbers permit sequential box numbering of ten or more boxes for one type of item. Generally numbers will be 01 to 05, however in some cases numbers may go into the 10's or 20's.

The Box Number Index listings were not started until after a number of BF boxes were cataloged and stored. Box identification is simple and easily interpreted. An example of keyword assignments follow:

A	Automotive	I		R	Recreation
B	Books	J		S	Sound
C	Clothing	K		T	Tools
D		L		U	Utility
E	Electronic / Electrical	M	Magazines	V	
		N		W	Wire
F	Files	O	Office	X	Misc
G	Games	P	Photo	Y	
H	Handicraft	Q		Z	

The keyword modifier may have several meanings as it varies with the keyword association.

A		J		R	Records
B	Books, Bike	K		S	Ski, Slides, Supplies
C	Cassette Recorder, Camping, Computer	L	Library, Lamp	T	
D		M		U	
E	Equipment	N		V	
F	Fred (User)	O		W	
G	Gym	P	Phyl (User), Plates, Prints	X	
H	Household	Q		Y	Yard
I	Instruments			Z	

The box number index is needed to properly assign the next box number for a type and to provide an indexing system to boxes that do not have a detailed listing. Examples of boxes not needing a detailed listing are AE02, AE05, and AE08: These boxes contain one or more units of a single item. The Box Number Index content entry provides all the listing that is needed. The BOX NUMBER needed. The BOX NUMBER INDEX list appears on the next few pages.

The Box Number Index contains the following:

Column	Heading
1	Box No. (Four character code)
2	Subject (Type of stored item)
3	List (Y or N , yes or no for detailed list)
4	Content (General description of box content)
5	Location (Rack No. and position where box is stored)
6	Height (Box height. Aid for max density stacking)
7	Weight (Box weight. Aid for shelf selection)

Column Nos. 6 & 7 are luxury entries which may be used if time to implement is available.

S T O R A G E R A C K S

For maximum density storage, racks are placed tight together. This means a rack must be moved to have access to the stored material. One of two plans can be used depending on the storage area boundaries. Access can be gained by moving the racks in and out or by moving the racks sideways. The in and out movement is less costly. Figure No. 2 shows the in and out arrangement. Moving one rack out about six feet provides access to both sides of the moved rack plus access to one side of each of the adjacent racks.

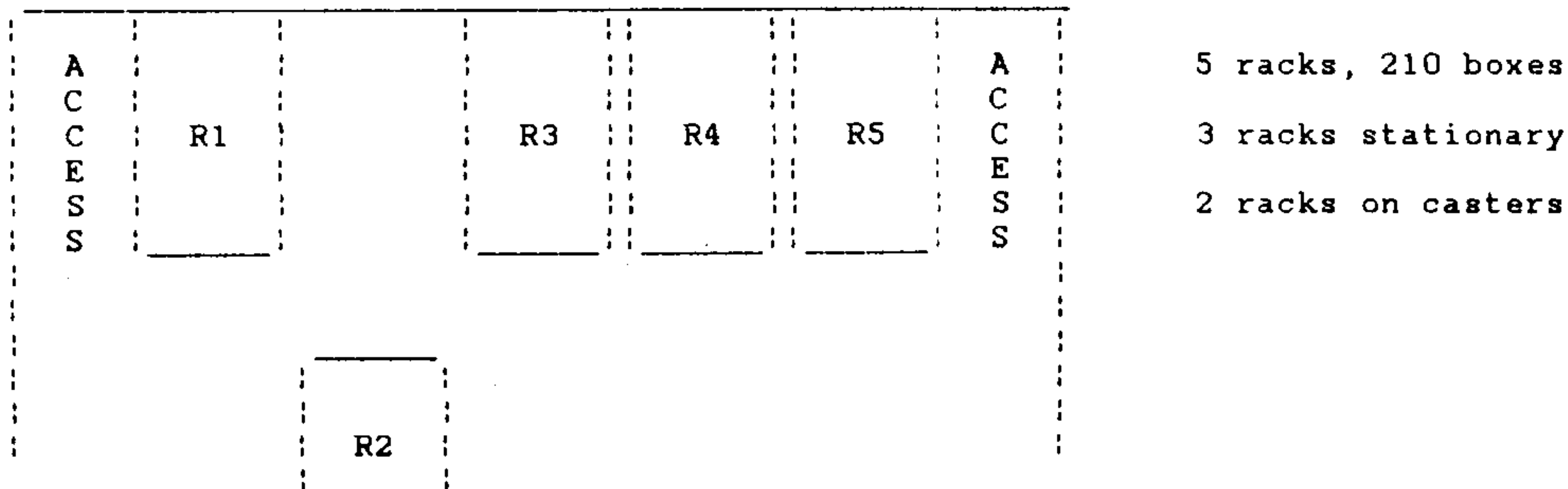


FIGURE NO. 2 IN AND OUT RACK ARRANGEMENT

1	2	3	4	5	6	7
1						
2	DATE: --/ --/ --					
3			S T R A G E R E C O R D			
4	CATAGORY: --	GENERAL BOX NUMBER INDEX	STORE-BNI			
5						
6						
7	BOX					
8	NO.	SUBJECT	LIST	CONTENT	LOCAT'N	HT WT
9						
10						
11						
12	AB01	AUTO BKS	N	AUTO MAINTNENCE MANUALS	3L2.8	
13						
14	AE01	AUTO EQ	N	WINTER EQUIPMENT	1R2.4	
15	AE02	AUTO EQ	N	VAC RACK	3L3.1	
16	AE03	AUTO EQ	N	ENGINE TUNE-UP EQUIPMENT	3R3.5	
17	AE04	AUTO EQ	N	BATTERY CHARGER, INVERTER	3R3.1	
18	AE05	AUTO EQ	N	AIR TANK, TIRE	2R1.6	
19	AE06	AUTO EQ	N	TOW BARS, TRAILER HITCH	1R2.8	
20	AE07	AUTO EQ	N	SNOW SHOVEL,	1L1.5	
21	AE08	AUTO EQ	N	JACK STANDS 2 PR.		
22						
23	AS01	AUTO SUP	N	CRANKCASE OIL, PENZOIL PZL	2R3.8	
24						
25	BF01	BOOKS	Y	ENGINEER'S DESIGN BOOKS	3R1.1	
26	BF02	BOOKS	Y	WRITING, WORD BOOKS	1R1.1	
27	BF03	BOOKS	Y	DRAWING REF BOOKS	3R1.2	
28	BF04	BOOKS	Y	MISC BOOKS	2R1.3	
29	BF05	BOOKS	Y	CONSTRUCTION BOOKS	3R3.4	
30	BF06	BOOKS	Y	CONSTRUCTION, SHOP BKS	3R2.1	
31	BF07	BOOKS	Y	SHOP BOOKS	3R1.3	
32	BF08	BOOKS	Y	PHOTOGRAPHY ENCYCLOPEDIA	1R2.1	
33	BF09	BOOKS	Y	WIND BOOKS, NOTES	1R1.5	
34	BF10	BOOKS	Y	SOLAR DESIGN BKS, NBKS	3R3.3	
35	BF11	BOOKS	Y	CONSTRUCTION / DESIGN	3R3.8	
36	BF12	BOOKS	Y	COPIES DESIGN BKS / LEGAL	3R2.6	
37						
38	BL01	BOOKS	Y	AMER HISTORY, NAT SCI ANNU	1L2.1	
39	BL02	BOOKS	Y	SCIENCE YRBK, MISC	1R1.3	
40	BL03	BOOKS	Y	ART LIB, AGE OF MAN, M L	1L2.3	

1	2	3	4	5
41	BL04	BOOKS	Y	NATURE LIBRARY 25V
42	BL05	BOOKS	Y	WORLD LIBRARY 30V
43	BL06	BOOKS	Y	WILDERNESS LIBRARY 21V
44	BL07	BOOKS	Y	GARDENING LIBRARY 29V
45				
46	BP01	BOOKS	Y	NURSING CLASS NOTES
47				
48	CF01	CLOTHING	Y	SHIRTS
49	CF02	CLOTHING	Y	SHIRTS, JEANS,
50	CF03	SHOES	Y	BOOTS, HIKING
51	CF04	CLOTHING	N	VESTS, SWEATERS, - DOWN
52	CF05	CLOTHING	N	SKI CLOTHES
53	CF06	CLOTHING	N	SKI CLOTHES
54	CF07	CLOTHING	Y	SHORTS, SHIRTS - SUMMER
55				
56	EE01	ELECTRONIC	N	BSR X-10 EQUIPMENT
57	EE02	ELECTRONIC	N	TELEPHONE EQUIPMENT
58	EE03	ELECTRONIC	N	BSR X-10 EQ, REMOTES, ETC
59				
60	FF01	FILES	N	4 X 6 FILES, 3 WD, 1 M
61	FF02	FILES	N	OVERFLOW, 4 DRAWER
62				
63	FK01	FILES	N	INCOME TAX FILES
64	FK02	FILES	N	INCOME TAX FILES
65				
66	GE01	GAMES	N	MONOPOLY, ETC
67				
68	HF01	HANDICRAFT	N	DRIFT WOOD
69				
70	HP01	HANDICRAFT	Y	MACRAME
71				
72	MF01	MAGAZINES	N	M & C #73-117 LESS 74,94,1
73	MF02	MAGAZINES	N	MAG HOUSE DSGN FILE
74	MF03	MAGAZINES	N	MAG JOURNALS SOLAR
75	MF04	MAGAZINES	N	SUNSET FOR SORT
76				
77	ML01	MAGAZINES	N	NATIONAL GEOGRAPIC
78	ML02	MAGAZINES	N	NATIONAL GEOGRAPIC, MISC
79	ML03	MAGAZINES	N	NATIONAL GEOGRAPIC
80	ML04	MAGAZINES	N	ORGANIC GARDENING 4/79 - 5 2R2.2

	1	2	3	4	5
81	ML05	MAGAZINES	N	SUNSET FOR SORT	3L1.7
82					
83	MP01	MAGAZINES			
84	MP02				
85					
86	OC01	OFFICE	N	COMPUTER EQUIPMENT	
87					
88	OE01	OFFICE	N	T1-59 CALCULATOR	3R1.6
89					
90	OS01	OFFICE	Y	5 X 8 FILE	3R3.2
91	OS02	OFFICE	Y	8.5X11, 3 X 5 FILE	3R3.7
92	OS03	OFFICE	N	ASSORT OFFICE SUPPLIES	3R2.7
93	OS04	OFFICE		11X17 PAPER, ASSORT	3R3.7
94					
95	PP01	PHOTOS	N	S. PACIFIC, ETC SORT	2R1.2
96					
97	PS01	SLIDES	N	SLIDE CAROUSELS, LOADED	2R3.3
98					
99	RB01	BICYCLE	N	BIKE RIDING EQUIPMENT	
100					
101	RC01	CAMPING	Y	LT WT BACKPACK'G EQUIP'T	1R3.4
102	RC02	CAMPING	Y	BAGS, PACKS	3R3.6
103	RC03	CAMPING	Y	LANTERN	1R3.5
104	RC04	CAMPING	N	TENT/FLY POLES	3CT.4
105	RC05	CAMPING	N	AIR MATS, PUMP	
106					
107	RG01	GYM	N	EXERCISE EQUIPMENT	
108					
109	RH01	HIKING	N		
110					
111	RS01	SKI	Y	SKI REPAIR KIT	1R1.7
112	RS02	SKI	Y	TWA SKI BAGS	1R3.6
113	RS03	BOOTS	Y	SKI MOBILE BOOTS	1R3.1
114	RS04	GLOVES	N	SKI GLOVES, HAND WARMERS	1R1.5
115					
116	SC01	RECORDER	N	CASSETTE RECORDER, TAPES	3R1.5
117					
118	SE01	RADIO	N	PIONEER	3L3.3
119					
120	SR01	RECORDS	N	RECORD ALBUMS	3L1.1

	1	2	3	4	5
121	SR02	RECORDS	N	RECORD ALBUMS	3L1.2
122	SR03				3L1.3
123	SR04	RECORDS	N	RECORD ALBUMS	1L1.1
124	SR05	RECORDS	N	RECORD ALBUMS	1L1.2
125					
126	TB01	TOOLS	N	BICYCLE TOOLS	3R2.2
127					
128	TH01	TOOLS	Y	DRAIN CLEANERS	1R1.4
129	TH02	TOOLS	Y	MASON TOOLS	1R1.8
130					
131	TI01	INSTRUMENTS	N	VOLT/AMMETER, TEMP, PRESS	3L3.7
132	TI02				
133					
134	TY01	TOOLS	Y	ROPES, 1/4 TO 9/16	1R3.7
135	TY02	TOOLS	Y	BLOCK & TACKLE	1R3.3
136	TY03	TOOLS	Y	ROPE, 7/8	1R3.8
137					
138	UE01	HEATER	N	ELECTRIC HEATER - RAD+FAN	2R1.5
139					
140	WS01	WIRE	N	WIRE, BELDON CO-AX	2L1.7
141					
142	XE01	OXYGEN	N	BREATHING OXYGEN 2 BOTTLE	2R3.1
143					
144	XL01	LAMP	N	URN MOGAL BASE 3-WAY	3L2.2
145	XL02	LAMP	N	BED LIGHT 2 LAMP	1L3.4

Three racks require only one on casters. Four or five racks require 2 with casters. At 42 boxes per rack, 3 racks will hold 126 boxes, 4 holds 168 and 5 hold 210. A rack occupies a space 52-inches deep by 31.5-inches wide which equals 11.375 square feet. Three racks occupy a space 52-inches by 94.5-inches while providing storage for 126 boxes. A large quantity of material stored in a small area!

The storage rack is constructed of 2 x 3 and 2 x 4 straight economy grade studs and 15/32" and 3/4" B-C grade plywood. The studs are screwed together with #10 x 3" FH wood screws. The 3/4-inch plywood is secured to the stringers with #10 x 1-3/4" FH wood screws. The bottom shelf of 3/4" plywood is supported by 2 x 4 stringers and spreaders. The 15/32" plywood lays unsecured on the 2 x 3 stringers.

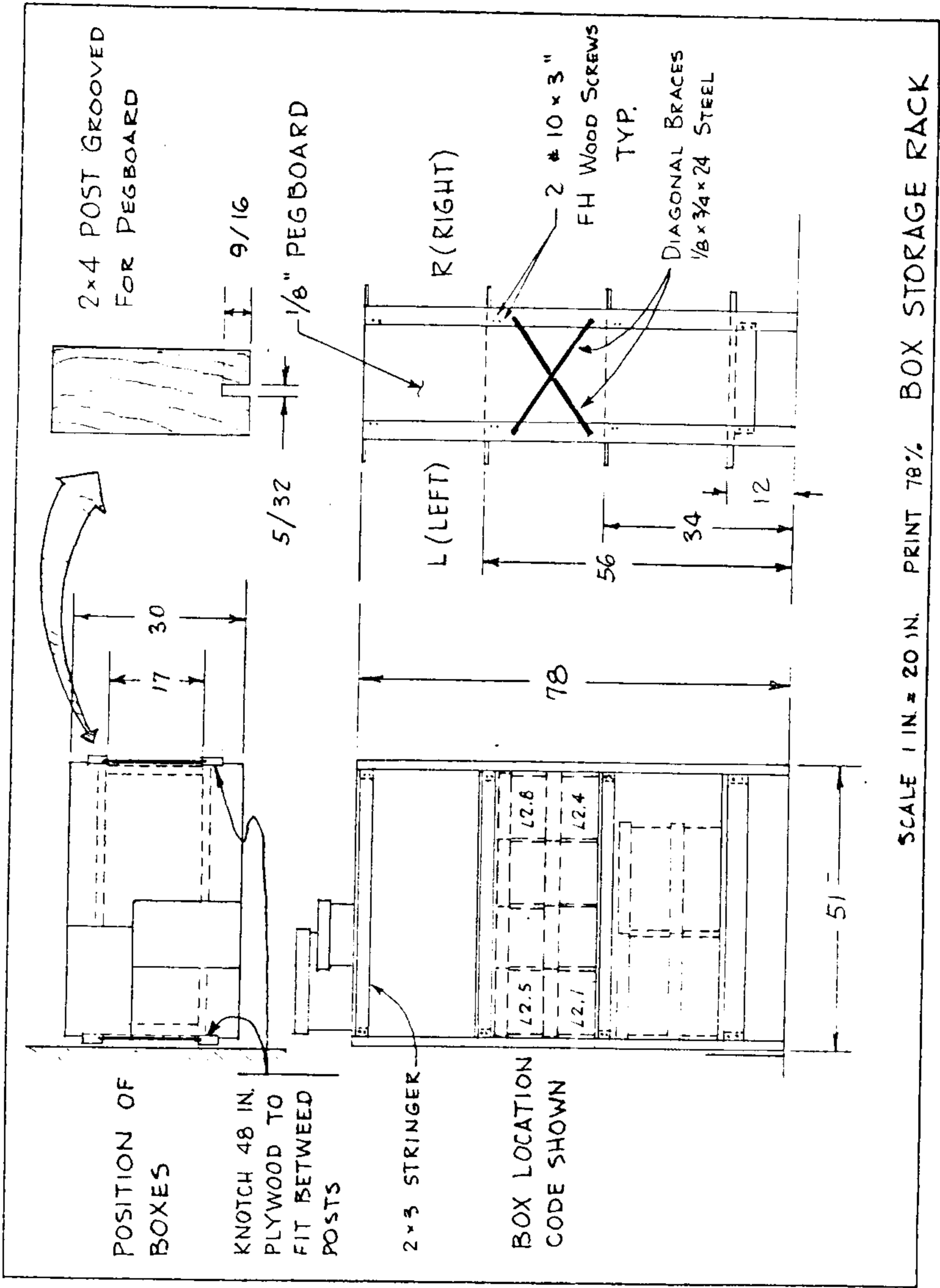
BILL OF MATERIALS

3	2 X 3 X 96 STUDS	Cut in half for 6 stringers.
2	2 X 3 X 72 STUDS	Cut into 6 17" spreaders
1	2 X 4 X 96 STUD	Cut in half for 2 stringers.
4	2 X 4 X 78 STUDS	Four posts
1	2 X 4 X 48 STUD	Cut into 2 17" spreaders
1	15/32 X 4 X 8 Type B-C Plywood	Cut into 3 30"x48" pieces
1	3/4 X 4 X 8 Type B-C Plywood	Cut into 3 30"x48" pieces (One piece per rack)
1	1/8 X 4 X 8 Pegboard	Cut into 5 18"x48" pieces (2-1/2 pieces pper rack)
64	#10 x 3" FH wood screws	
8	#10 x 1-1/4" FH wood screws	
2-4	1/8"x3/4"x24" Hot Rolled Steel Strips	

The layout of the Storage Rack is shown in a drawing on the next page.

Now back to the second arrangement for access to stored items when the racks are placed tight together. If the storage area lacks sufficient depth to move a rack out six feet, then racks must be moved sideways about 30" to provide an access aisle between two racks. This means all racks need casters to permit opening up a 30" aisle between any two racks. Such an arrangement could require a power assist moving system.

MULTI-PLAN provides a good Data Base for this type of Data Input and Retrieval regardless of the storage facility. Give it some consideration. It is worth the effort!





PRESIDENT'S MESSAGE
by DICK BEERY

Just a few random thoughts this month. The meetings seem to have been going well and if you like what we have been doing with demos and a shortened business meeting (or if you don't!) would appreciate hearing from you.

If you are interested in starting your own BBS, or just playing with a board program, take a look at the new Paradigm board. It can be downloaded from our club board and maybe others as well (see numbers below). It has already been released three times: versions 1.1, 1.2 and 1.3, and the latter I believe is compatible with the Geneve. This BBS program is loosely based upon Scott Darling's TIK BBS program that appeared not too long ago. It seems to be a great program.

I had hoped to write another genealogy column for this issue regarding some good new programs that are now available, but can't make the deadline. There

will not be an August issue of the newsletter, so it will have to wait until September. By that time, there may be more to write

The DSKU version 4.1 that was shown at the Lima Fair is now available as Fairware and you should use it with caution. Some have experienced wipeout of disks when using the "Change disk name" option; others report no difficulty whatsoever. In any case, it is well worth your effort in trying it out. Just back it up, and use a scratch disk for your renaming and other experiments until you are sure there is no problem, at least with your system.

Don't forget to give us your suggestions for the sixth anniversary celebration in October. We hope to make it a memorable occasion.

We have received our video cassette of the Lima presentations, so you will be seeing it soon. Also got some great ideas and

routines from the Cin-Day group, thanks to Rick Kellogg. We hope to use the latter in making our own presentation for use in shopping centers and wherever it is appropriate.

Why not spend some time indoors during the summer heat with your (I hope) air conditioner and your modem? There are a lot of good programs and files available for download--who knows, you might find just the item you have been hoping someone would write. Here are the numbers for all three T.I. boards that are in the Columbus area:

Spirit of '99 Irwin Hott/Dick Beery

(614)263-3412
T.I.A.B.S Bud Wright
(614) 442-1852

Chuck's BBS Chuck Grimes
(614) 268-1994

On each of these, you will find lists of others. Even if they are not TI boards you can enjoy using the message base and meet new people.

DON'T FORGET TO WRITE AND SUBMIT SOMETHING TO THE PROGRAMMING CONTEST, NOW THAT THE DEADLINE HAS BEEN EXTENDED TO THE DATE OF THE JULY MEETING! EVERYBODY WHO ENTERS WILL WIN SOMETHING, SO LET'S HAVE YOUR BEST EFFORT. IF YOU THINK IT'S NOT TOO GREAT AND DON'T WANT US TO DEMO IT OR PUBLISH IT IN THE NEWSLETTER, JUST TELL US SO WHEN YOU HAND IT IN.

And, of course, you don't have to wait till the deadline to hand it in. Let Chuck or Jim Peterson have it as soon as it is ready.

Hope you didn't miss the excellent demonstrations by Jean Hall (neater printouts) and John Cummings (PR-Base) at the June meeting. John hopes to give part two of his presentation at the September meeting. Watch for further announcements.

See you at one, or both, of the July meetings! If you go vacationing, hope you have a happy and safe trip.

C.O.N.N.I. BUSINESS MEETING
MARTIN JANIS SENIOR CITIZENS CENTER
JUNE 11 1988



MEETING OPENED 10:15 A.M. MEETING ADJOURNED 10:35 A.M.

Meeting was called to order by President Dick Beery, who introduced the officers and librarians; Dale Smith (a visitor and former member), and Jerry Greenbaum, a new member.

Dick Beery read the treasurer's report for John Cummings while John was preparing for his demo. Treasurer's report was approved as read.

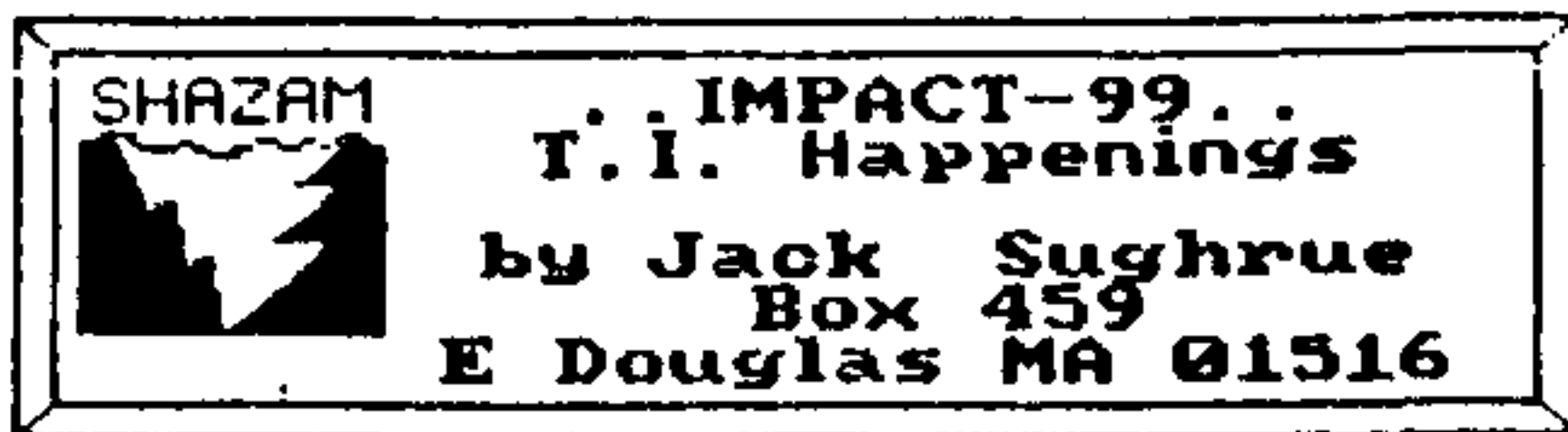
Fred Deaner volunteered to work the coffee shop for the July meeting.

It was announced that the Janis Center will not be available for the August meeting. A motion to have a meeting at another location was approved. A discussion followed on the type of meeting to have and a possible location. It was decided to have a flea market and some demonstrations.

Hand out sheets were passed around for volunteers at the August meeting and suggestions for the October anniversary meeting.

Irwin Hott donated a TEII cartridge and a MiniMemory cartridge for the club library.

The meeting adjourned and demos followed.



A "LITTLE" FAIR

I had an interesting TI experience a couple weeks ago. In a way it was unexpected, though I certainly don't know why.

The event was the Free TI Fair in Lima, Ohio. It was sponsored, organized, and run by a dozen or so men who comprise the Lima User's Group.

The EVENT was the best TI faire I have ever attended, and it succeeded beyond everyone's wildest dreams. (There were between 350 and 400 who attended, about the same number who attended the N.E. Fayuh this year.) But it was not the numbers, alone, that made Lima such a success. Nor the fact that the participants came from all around the U.S. (Chatting with me at my table were people from Louisiana, Kentucky, West Virginia, Massachusetts, Pennsylvania, Canada, Indiana, Illinois, New York, Michigan, and many others I can't recall.) And Lima was an event that did not get the usual hoopla and hype that often attends the big fairs in Chicago, Boston, Dallas, L.A., Las Vegas, etc.)

What really made this a great success was the fellowship. Everybody was there for a good time. There were no luminaries (in the sense that superstars were created for the occasion), though there certainly were a lot of talented and interesting people demonstrating and sharing. I guess "sharing" was the secret word. Though I listened to a lot of people that day, I did not hear a single complaint. No one talked negatively about anyone else. There was no deviousness; there were no ripoffs. Instead, there were positive vibes rippling throughout the halls of ivy the entire day. Lima gave to all who attended a real TI charge.

The place - Ohio State University, Lima Campus - had to be physically the most ideal place for such goings-on. The huge, clean, artistically beautiful hall provided more than ample room for all the user groups and vendors. It was light and airy and devoid of the squeezing crunch so common to these fairs. The classroom/auditorium had a podium, comfortable seats, a large, easy-to-see monitor, and excellent lighting. The food service, the clean tables to eat at (far from the madding throngs), the additional service machines, all added to the enjoyment.

And the day! It was a perfect, blue-sky, warm Ohio spring day. Attendees drifted in and out the the main building to stroll around the beautiful campus or sit on the numerous benches in sun or shade and delight in just being there.

It was grand! It was recuperative therapy just participating in all that had been provided.

What had been provided?

Everything!

The small Lima group had provided all the tables any group (or individual) needed with ample outlets. They provided signs already up and in place at every single table. And complete systems in many cases, for at-table demos (which went on all day, too). These hosts seemed to be everywhere, on call, to provide the myriad tasks required of well-organized events.

There were excellent demos every half hour: things like Irwin Hott's remarkable setup of Tling for the blind, Jim Peterson's normally wonderful demo (this time his latest NUTS 'n BOLTS), Bud Mills's Horizon Ram, and so on. These events were announced through a system everyone could hear clearly, so there couldn't be a chance of missing anything. Plus, there were ample signs and posters everywhere of all the upcoming events.

For many who were so busy they couldn't fit all the demos in, the Lima Group again provided: FREE videos of the entire five hours of demonstrations and talks!

Not surprising. Everything else was also free. There was no admission charge, so people could come and go freely. There were no charges for tables for user groups, individuals, or commercial outfits. And these people could have as many tables as they wished. No charge, either, for the many signs. There wasn't a charge, either, for the raffles of soft and hardware drawn every half hour. The Lima entourage didn't even charge people for getting ANYTHING they wanted from the vast Lima library (probably one of the biggest in the country).

Two "World Premier" were made at the fair: the very latest 4.1 of FUNNELWEB sent directly by Tony McGovern and the newest DISK UTILITIES of John Birdwell. Charles Good, who acted as host of the affair, demonstrated both. Both disks will be released to the public soon.

Ohio seems to have more active Tiers per capita than any other state in the Union. For me to have an opportunity to go there and meet all these people with whom I had corresponded (some for years) was a thrill I did not want to miss: Charlie Good, editor of the marvelously unique (and decidedly eccentric) BITS, BYTES & PIXELS; Jean Hall, editor of the classy SPIRIT OF 99; Deanna Sheridan, editor of the fresh and informative CLEVELAND AREA T199-4A USER GROUPS NEWSLETTER; Irwin Hott of COMMI (and his seeing-eye friend, Tonka); and, of course, Gentleman Jim Peterson, "Mr. T.I." There were many, many others I got to see again (people like the legendary Mickey Schmitt, who will probably become to TI Adventurers what Larry Bird has become to basketball).

"How did all this TI excitement take place in the middle of nowhere?" as one of my friends who has never been to Ohio asked when I described the event.

Some background was definitely needed to explain this happening in this particular place.

Lima is a city of 48,000. When you drive straight

from the center in any direction for 15 minutes you are in flat farm country, a scattered house every few miles. It is a hundred miles to the nearest airport (Dayton) and many hundreds of miles from a lot of Ohio's biggest cities. (Ohio has Akron, Toledo, Cincinnati, Cleveland, Columbus and lots of other cities larger than Lima.)

The Lima Group formed in 1984 and, after almost four years, has 15 local members and five corresponding members. There are only family memberships with full privileges (home or away) at \$15. This entitles each member to a newsletter that contains ONLY new material. Disks of the latest PD and Fairware software are often mailed with the monthly issues. Several new disks of material are usually added to the library at each monthly meeting. They still have an active tape library over over 450 very full tapes for those members without drives. The Lima disk/tape catalog is descriptive, rather than just number and/or title, so you can get what you want without guessing.

Dr. Charles Good (paleobotanist and Associate Professor at the Lima Campus) is the spearhead of this very close, hard-working organization. He keeps in direct touch with active TIers around the world. He, along with President Dave Azippl, organized the Lima Confab (which they call "The Multi-User Group Conference" but everyone else calls the "Lima TI Fair.")

This model user group is unusual in more ways than just bringing the mountain to Mohamed, so to speak. First and foremost, even after spending a weekend with them, I saw no signs of in-fighting, no struggle for power, no pretension. Everyone takes turn being president or another office. The libraries of disks and tapes and newsletters are kept at members' houses. Only a call is needed to pick up the whole shebang. So everyone gets to read all the newsletters (BB&P has a growing exchange.) or dub the tapes or copy the disks. Calls let members know what's new and available. Dropping off and picking up stuff at each other's homes just adds to the overall comradeship of this tight-knit group.

When I asked Charlie why Lima, as host of this event, didn't use it to make lots of money for the group, here is what he said:

"People and groups keep sending stuff to us. I really believe that this free exchange of software and other information is the way to keep our user groups alive and healthy.

"This same philosophy of minimal cost is why we

didn't charge for our conference. ... across the country it seems to me that the organizers feel they are doing the attendees and exhibitors a favor by setting up the show. We feel that those who attend our show are doing US a favor by sharing with us their expertise and bringing to us in Lima their software and hardware to sell. So we will try to make it as convenient as possible for those who attend."

What an attitude!

TI PRIDE!

If what I saw of the people in Ohio is any test, the TI world is in good hands for a long time to come.

The really good news is that a second annual event is scheduled for next year. For those who can make it, I'd recommend going. If you can't make it, do the next best thing: join this great group by mail. It's one of the best TI investments you and the exchange librarian of your user group could make. (\$15 a year for the monthly issues and disks and lots more: Charles W. Good, Box 647, Venedocia, OH, 45894. And tell him IMPACT sent you.)

HELPFUL HINT OF THE MONTH

This is from the new ASGARD NEWS magazine (Asgard Software, P.O.Box 10306, Rockville, MD 20850 - quarterly - \$6 per year):

"Print Help For Gemini Users

"Do you have a Star printer?. To be more to the point - do you get ugly white horizontal lines on your screen dumps of GRAPHX or TI-Artist?"

Type in the following program, save it, and run it with your printer on before using your artist programs.

```
10 INPUT "TURN ON PRINTER AND
D PRESS ENTER..":A$
20 OPEN #1:"PIO",OUTPUT
30 PRINT #1:CHR$(27);"A";CHR
$(6)
40 CLOSE #1.
```

Problem solved. I load it before using MAX-RLC and dumping stuff for our newsletter. Just great!



the ink well
quality printing

JOHN S. KOVACH
Manager

HANBY SQUARE SHOPPING CENTER

320 South State St.
Westerville, OH 43081
(614) 899-1403





A Review of the NX-1000 Printer

A 1st Impression!

By: Paul E. Scheidemantle

(Ed. note: This review was downloaded from Genie by Irwin Matt, SYS OP of Spirit of 99 BBS. Members, ask Fred Tietzel how he likes his NX1000).

To begin with I think they may have missed an opportunity to give this printer a such more appropriate name such as 'FONT MASTER'. In addition to all the normal draft modes you would expect of any Dot Matrix printer such as pica, elite, condensed, double width, emphasized, double strike, underlining, and overlining; you will find four near letter quality font styles available in each Pica and Elite as well as both italic and proportional printing in any size and style. There are two modes of condensed print, one in pica (17 CPI) and one in elite (20 CPI), (condensed printer users not to worry about the second set messing up your printouts because the 17 cpi is default). And to top off all these great fonts they still have more to offer with double Height, double size, quad Height, and quad size printing available. With it's printing speed of 144 cps in draft mode and 36 cps in MLQ it's fast enough for most of us home users.

From the front control panel all fonts may be selected (with the exception of the double and quad size). No more fooling around with dip switches to set a MLQ font. Of course paper feed is there as well as a bit more complicated method of doing a form feed. In addition to these commands from the front keypad you have many others that can be done here, such as setting left and right margins, doing a forward or reverse micro-feed (moves in increments of parts of 216th of an inch), sending the paper to the top of a form, setting the top of a form, clear the buffer, and finally and certainly not last is 'PAPER PARK'. Most of these options you as a printer user will understand, however the 'PAPER PARK' is a new one to me and probably to most of you; with this function you may use single sheet paper without having to remove your tractor feed paper (the paper retracts), and when you're done all you have to do is raise the bail cover and the tractor feed paper reloads for your use! This is all made possible by having the tractor in the rear of the printer, which bye-the-way is easily accessible! Not only is the tractor easy to get to but it is another nice feature in that the loading and unloading of pin feed paper and labels has been made much easier because of it! Here after installing pin feed paper in the rear to load it through the printer all you need do is raise the bail lever and the paper loads automatically!

Other features that I found of use are the 4K buffer (holds about 2 pages of text if not used for download characters), a front mounted ON/OFF switch, a standard parallel interface (which has been moved to the right side of the printer to free-up the rear of all those cables that get in the way of the paper), use of a cartridge type ribbon (cleaner and easier to install, but more costly to replace), and easy to get to DIP switches under the dust cover. Bye-the-way a dust cover that you can actually tear your paper off on! I found it much more compact and quiet then previous models, though I've told that noisewise is about the same as the NX-10. Though I must admit that the size and light weight of this printer put me off for awhile. It is built to the same high standard of quality that the rest of the Star Micronics printers are.

To say the least I felt that at a price of \$179.95, this was an exceptional buy! Especially when compared to the prices paid for such quality and features elsewhere.

JUST FOR FUN



The following comes courtesy of Steve Mickelson, Editor of Newsletter 9T9, 109-2356 Gerrard St. East, Toronto, M4E-2E2, Canada

So you are bored with your Geneve and/or tired of waiting for the final version of NDOS, with new features...well don't look now, but there are a few undiscovered secrets hiding inside your current version of NDOS. The following discoveries were found by fellow member, Gary Bowser, who called me last evening and let me discover what happened on my own 9640.

First boot NDOS as usual. At the A> prompt enter the following command IYZZY and see what you get. Not impressed? Well, we saved the best for last, at the A> prompt enter the following command BIR JP: And who says programmers take themselves too seriously!

Now if I can only figure out what R command in MYWORD is looking for. (certainly not a REMIND ME file - I tried it). Playing with it can disable disk drive B2, though. Anyway, I hope the JP swan gets well soon.

**MEETING DATES
FOR
1988-1989**

2ND SATURDAY
09 JUL 1988
13 AUG 1988
10 SEP 1988
08 OCT 1988
12 NOV 1988
10 DEC 1988
14 JAN 1988
11 FEB 1988
11 MAR 1988
08 APR 1989
13 MAY 1989
10 JUN 1989

4TH WEDNESDAY
27 JUL 1988
24 AUG 1988
28 SEP 1988
26 OCT 1988
23 NOV 1988
28 DEC 1988

C.O.N.N.I. BOARD MEMBERS

Pres. - Dick Beery (614) 459-3597
Vice Pres. - Jim Seitz (614) 875-5532
Treas. - John Cummings (614) 766-0785
Sec. - Jere Singleton (614) 764-0642
Membership - Everett Wade (614) 262-6346
Librarian - Chuck Grimes (614) 268-8821
Cassette - Sonny Grubb
Cartridges - John Rupert
Newsletter Exchange - Curt Borders
TIBBS - Irwin Hott (614) 263-5319
Dick Beery (614) 459-3597
Editor - Jean Hall (614) 885-4223
Assist - Carol Parkins (614) 891-4965



NEW ADDRESS
C.O.N.N.I.
181 HEISCHMAN AVE
WORTHINGTON, OH 43085

BULK RATE
U.S. POSTAGE
PAID
COLUMBUS 43221
Permit No. 1945

TIME SENSITIVE MATERIAL
POSTMASTER - PLEASE DELIVER PROMPTLY

SMAUG USER'S GROUP/99
RT 4, BOX 23
BREWTON, AL
36426

***** MEMBERSHIP APPLICATION *****

NAME _____ AGE _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
AREA CODE _____ HOME PHONE _____ BUSINESS PHONE _____ EXT# _____
WHAT IS YOUR PROFESSION/VOCATION _____
HOW LONG HAVE YOU OWNED YOUR COMPUTER _____
DATE OF APPLICATION _____ ACCEPTED BY _____