



mini'app'les

apple computer user group newsletter

VOLUME IV No 12

DECEMBER 1981

CALENDAR

CALENDAR

CALENDAR

WHICH	WHEN	WHERE	WHAT
<i>Pascal</i> Note 1	Wed Dec 2 7:30pm	Minnesota Federal 9th Ave S Hopkins	Regular <i>Pascal</i> Special Interest Group Meeting.
<i>Education</i> Special Interest Group Note 3	Wed Dec 9 7:30pm	Sperry Univac 3001 Metro Dr. Room 103 Bloomington	Large <i>Pascal</i> Program Considerations
<i>St. Paul</i> Branch MINI'APP'LES Note 4	Sat Dec 12 (call for time)	Personal Bus's Systems 2225 White Bear Ave Maplewood	A strategy meeting to discuss forming a St Paul branch of Mini'app'les.
REGULAR MINI'APP'LES Note 2	WEDNESDAY DEC 16th 7:30pm	MAYFLOWER CHURCH N.W.corner Diamondlake Rd and 35W, Minneapolis. Free parking on premises. <i>Map inside</i>	<i>Multi-image slide show</i> Dave Jaskulke of Blumberg Photo Sound will demon- strate the "Arion" inter- face to Apple. Adds sound and multi-projection to your slide show.
<i>Pascal</i> Note 1	Wed Jan 6 7:30pm	Minnesota Federal 9th Ave S Hopkins	Regular <i>Pascal</i> Special Interest Group Meeting.
REGULAR MINI'APP'LES Note 2	WEDNESDAY JAN 20th 7:30pm	UNIVERSITY MINNESOTA ST. PAUL CAMPUS Near State Fair Room B45 Bldg 412 <i>Map next month</i>	<i>Profile: Apple Hard Disk</i> Eric Johnson of Stan Clothier, Apples' manufacturing rep. → <i>Open Discussion Night</i> Bring along questions; simple or sophisticated; Show & tell soft/hardware incl printers, games, etc If you have something to say about Apples, this is your chance.

- Note 1. Contact- *Keith Madonna*
 2. *Chuck Thiesfeld*
 3. *Chase Allen*
 4. *Joe Miller*
 770-6161 (Notice inside)

MICROINK ATLAS at \$12

If anyone still wants a copy of this please call D.Buchler.

Pay your dues * * * * * See back cover

MINI'APP'LES

P.O. Box 796
Hopkins, MN 55343

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INFORMATION

This is the Newsletter of Mini'app'les, the Apple II Users' group of the Twin Cities of Minneapolis and St. Paul.

Questions

Please direct questions to appropriate board member or any officer. Technical questions should be directed to one of the Technical Advisers listed here.

Membership

Applications for membership should be directed to the Membership Co-ordinator.

After Dec 19th, 1981 Dues will be \$12/year; Before Dec 19th, 1981, \$10 buys membership for current and next year. Members receive a subscription to this newsletter and all club benefits.

DOMs

DOMs (Diskettes of the Month) are available at meetings for \$4/disk or by mail for \$6/disk. Contact Software Sales coord'r.

Newsletter Contributions

Please send contributions directly to the Newsletter Editor. Hard copy binary or text files (ASCII coded) are preferred, but any form will be gratefully accepted. Deadline for publication is the 3rd Wednesday of the month preceding the month in which the item might be included. An article will be printed when space permits if, in the opinion of the Newsletter Editor, it constitutes suitable material for publication.

Advertising rates

Rates are as follows:
Full Page \$30/issue
Half Page \$20/issue

Circulation 850 (approx)

DOM #9*By Ken Slingsby*

This Disk Of the Month features the IAC disk number 9, which is made of contributions from the San Francisco Apple Corps. Our DOM also contains some locally contributed programs. Members who have been in the group a while will recognize a few of the programs as several were in the User Bank some time ago.

HELLO1

This was the hello program from the IAC disk. The program displays the SFAC Logo and will catalog the disk. From the IAC.

CALCULATOR

Performs the four calculator functions plus can find area, square roots, and exponentials. A good demo for elementary students. From the IAC.

REACTANCE CALCULATIONS

Will compute either the reactance, frequency of resonance, or capacitance/inductance of a series circuit. From the IAC.

TRANSISTOR PARAMETERS

Will calculate the Beta and Gain of a 'standard' transistor amplifier circuit in the common emitter connection. From the IAC.

SIN PLOT

Will plot a sin function. From the IAC.

**METRICS AREA
METRICS LENGTH
METRICS VOLUME
METRICS KITCHEN
METRICS TEMPERATURE
WEIGHT**

These programs will convert a given unit in the English system to the Metric system or vice-versa. from the IAC.

**PERMUTATIONS—
COMBINATIONS**

This program will compute the permutations and combinations of a given event series. For example it will answer the question: "How many permutations and combinations of sets of the alphabet are there taking 5 letters at a time?" Hint . . . The numbers are rather large. From the IAC.

BINOMIAL DISTRIBUTION

This program will calculate the probability of getting 5 heads when flipping a coin 10 times, for example. From the IAC.

PRIME FACTORS OF INTEGERS

This program will calculate the prime factors of a given integer that is, breaking it into the smallest values not evenly divisible by other integers. From the IAC.

PLOT

Will plot on the screen any function entered into the program, using text characters. From the IAC.

FAST FOURIER TRANSFORM

Computes the FFT of an entered set of X,Y points. From the IAC.

TOTAL

Adds a series of entered values such as dollars and cents. From the IAC.

LOOP ANTENNA

Calculates the number of turns of wire and total length of wire needed to make a loop antenna for a standard AM radio. This loop antenna will improve its reception. From the IAC.

XLIN IMPEDANCE

Calculates the impedance of a transmission line given its characteristics. From the IAC.

NUMBER BASE CONVERTER

Converts numbers from one base to another. For example, this program will convert a binary number to base 10. From the IAC.

HEX-DEC CONVERTER

Converts numbers from hexadecimal to base 10. From the IAC.

CALC PI TO 1000 DIGITS

This program will calculate the value of pi to any number of digits up to 1000. From the IAC.

DOM #9 Continued**LONG DIVISION DIVISION**

Demonstrations of long division showing the steps involved. Good demos for elementary students. From the IAC.

MULTIPLY

Demonstrates multiplication of integers. From the IAC.

MATH PROCTICE

A good drill program for elementary students. Aids in learning the functions of addition, subtraction, multiplication, and division. From the IAC.

EXTERIOR BALLISTICS

Calculates the range of a projectile shot at an entered angle and with an entered muzzle velocity. From the IAC.

HARMONIC ANALYSIS

Plots a curve and harmonics for entered data. The curve will automatically scale itself for the data to be plotted. From the IAC.

QUADRATIC SURFACE

Gives point values at regular intervals over a quadratic surface. From the IAC.

HEX CONVERSIONS

Converts numbers to hexadecimal or performs addition, subtraction, and shows the values in binary form. From the IAC.

NOTCH FILTER

Calculates the elements needed to assemble a notch filter. From the IAC.

BIORHYTHM PRINTER

This is not a repeat from the last DOM, but a different version. This version is based on the Integer BASIC program that used to be in the User Bank. John has extensively modified it to print the biorhythm on a printer for any time period desired. Contributed by John Schoeppner.

DIAL ABBS

This program with a Hayes Micromodem will dial and connect your APPLE to one of the local Bulliten Boards. It is based on a demo program in the Hayes instruction booklet with several modifications. Contributed by John Schoeppner.

THE PROBLEM WITH RENUMBER**RENUMBER**

Those of you who follow the Mini'App'Les Newsletter will remember sometime ago a problem with the APPLE renumber program was pointed out. These programs describe the problem and include the solution. Contributed by Steven Sullivan.

MOVE SCREEN UTILITY MOVE SCREEN BINARY

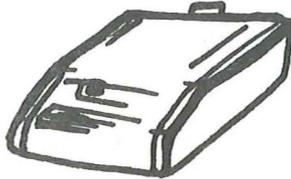
This program describes a method of creating one of the most eye-catching title pages I've seen. The explanatory notes should make this utility relatively easy to incorporate into your programs. By Steven Sullivan.

SINGLE DRIVE MUFFIN

This program will muffin an entire disk from DOS 3.2 to 3.3 in five passes. It operates in a similar fashion to the single drive copy programs that exist. The program was written by Dana Schwartz of the Washington Apple Pi. It was printed and described in the Summer 1981 APPLE ORCHARD. contributed by Ken Slingsby.

DOM HEADER TAKER-OFF-ER

Looks like I goofed. The DOM header that has been on every DOM since its start has not always been written by a program. Therefore, there are some headers that will stop Muffin dead in its tracks (forgive the pun, I couldn't resist). The descriptions of what is being done to make the DOM headers is in the July/August Call A.P.P.L.E. Rather than explain how to correct the problem, which is rather difficult, this program will remove the header from the offending disks. It should be Demuffined to DOS 3.2 before using. Written by Ken Slingsby.



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SFTW SALES TAX

by Dan Buchler

Not commonly known by computer stores and personnel, but sales tax is not chargeable on Software in the state of Minnesota. We will have a copy of a letter from the state of Minn substantiating this fact. (Thanks to Roy Oehler, President TCTUG).

PRINTER PAPER

This is not a paid ad but a piece of information supplied by your Editor!

The 'House of Forms' is a new forms supply store owned by Custom Business Forms offering reasonable prices and walk-in availability of printer paper. It is located at:

20 North First Street
Minneapolis, 55401.

Contact Delores Miskowiec, 332-4866

This is just around the corner from Custom Business Forms who are on Hennepin Avenue. Because of the store, Custom Business Forms will not sell paper except in lots of 24!

However, if there are enough people interested, we can put together a bulk order for 9 1/2 by 11 20lb paper, 2000 sheets/box for approximately \$16 per box. The House of Forms prices are somewhat higher than that, but lower than at most of the other places in town. Contact Dan Buchler.

THANK YOU CDC CAMP COURAGE & DAVE BIRNBAUM

By Dan Buchler

OCT MEETING

Mini'app'les wishes to thank CDC and Charles Wirth for showing us the 747 approaching to within 1/2" of the ground and for the accompanying talk and handouts. We all enjoyed the film very much.

We wish also to thank Camp Courage and Su-Shen Bare for her interesting slide show which demonstrated how the less fortunate among us can lead a better life through the use of Computers such as Apple IIs.

NOV MEETING

120 hardy members attended the Mike Birnbaum presentation on Home Control. In case you forgot, this was the night of the November 11" snow storm! It was worth fight with the elements. Mike showed us how he controls sun blinds, lights, burglar alarms, baby crying detectors, etc, etc. His hardware approach emphasized low cost techniques and we hope to bring you some of his ideas in later editions of this newsletter.

THE HEARTIEST OF
Season's Greetings
 TO ALL MINI'APP'LES,
 FAMILY & FRIENDS



MICRO/MAILER

A complete mailing list system. Features: create, delete, catalog lists; add, correct, delete, sort, display and list records. Prints labels 1, 2 or 3 up; stores 1000 records per disk.

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FOR SALE

New Parallel Printer Card
 and
 Disk II Controller Card with
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Warren Ostlund
 926-3122

**EPSON PRINTERS
 BMC MONITORS**

If you are in the market for an MX-80, an MX-100 or a BMC Monitor, you should contact Al Peterman, who can order those items for you at special club 'bulk' prices.

Al Peterman 721-3295

ORDERING DOMs

A reminder that DOMs are available by mail at \$6 each. Send your order to:

MINI'APP'LES DOM's
 Box 796
 Hopkins, MN 55343

Usually the latest three DOM's are available at club meetings for \$4 each. Because of the volume of disks distributed, they are not tested.

FOR SALE

All items like new : Orig- Best My
 or new. : inal Disc. Price
 Original boxes. : Price Price

Apple Integer Card.....	\$149	\$145	\$125
Apple Language Card....	\$195	\$175	\$155
ALF 3 voice Music Card..	\$239	\$235	\$200
Mountain Hardware Clock.	\$229	\$225	\$190
Silentype Printer/Intf..	\$515	\$349	} \$350
6 Rolls of Ptr Paper....	\$ 36	\$ 30	
Novation CAT Acoustic Coupled Modem..	\$195	\$180	} \$280
Apple Communication Crd.	\$185	\$145	

Will consider trade of all of above, except the Language card, for your Apple II, 48K, Revision 7 or later..or? Reason for sale: I have changed direction of work to word proc.

Software to sell: Home Finance Pak I (Checkbook, savings, credit card) and Color Calendar (1yr planner) (Spectrum Software) on 2 disks. Cost \$80... sell for \$45.00 with documentation.

Charles Ray
 19550 Cedarhurst, Deephaven, 55391.
 475-2000

1982 DUES

Your 1982 Mini'app'les dues should be paid by Dec 19th. Please send your \$10 to:

Ann Bell (Membership Coordinator)
8325 39th Avenue North,
New Hope
MN 55427

After Dec 19th dues = \$12.

We will create a 1982 mailing list over the long weekend, and if you want to be on it, please get your dues in by Dec 19th.

We plan to publish a membership list (for member's use only) in February, 1982. The list will contain name,

phone number and Zip code only. If you do not wish to be included on that list, please so indicate when you send in your dues!

THIS IS YOUR LAST CHANCE TO BEAT THE PRICE INCREASE



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To Mpls

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May-		N		Exit 35W	
flower		^		at	
Church	--		^		Diamond Lake
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	--/				

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| |

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Box 796
Hopkins, Mn. 54343

First Class



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MINI'APP'LES MECC ORDER

MECC disks may be ordered only by Mini'App'Les members who are residents of Minnesota. The diskettes were developed for the Minnesota schools by Minnesota Educational Computing Consortium, a tax-funded agency, and you are not to make copies for non-residents.

We refer non-residents to MECC Publications 612/376-1118.

No.	Title	Vol.	Special Emphasis	Quan.	No.
701	MECC Demo	1		-----	701
717	Agriculture	1		-----	717
714	Business	1		-----	714
702	Elementary	1	Mathematics	-----	702
703	Elementary	2	Language Arts	-----	703
704	Elementary	3	Social Studies	-----	704
705	Elementary	4	Science	-----	705
719	Elementary	5	Language Arts	-----	719
725	Elementary	6	History	-----	725
731	Elementary	7	K-2	-----	731
732	Elementary	8	Geometry	-----	732
733	Elementary	9	Geometry	-----	733
734	Elementary	10	Geometry	-----	734
735	Elementary	11	Phonetics	-----	735
736	Elementary	12	SIM	-----	736
706	Mathematics	1	Sr. High	-----	706
736	Mathematics	2	Measurement	-----	737
738	Mathematics	3	Geometry	-----	738
716	Aestheometry	1	Curves	-----	716
712	Music	1	Music Theory	-----	712
708	Science	1	Sr. High	-----	708
709	Science	2	Sr. High	-----	709
707	Science	3	Sr. High	-----	707
710	Social Studies	1	Sr. High	-----	710
711	Social Studies	2	Sr./Middle	-----	711
718	Drivers Ed/Ind. Arts	1		-----	718
727	Special Needs	1	Handicapped Spell	-----	727
726	Spelling	1	Elementary	-----	726
728	Spelling	2	Adult Words	-----	728
739	Art	1		-----	739
720	Programming Aids	1		-----	720 ***
724	Shape Tables	1	HGR Utilities	-----	724 ***
715	Teacher Utilities	2		-----	715

*** The Programers Aid & Shape Tables require the support booklets to be used. We will sell the disk and book as a package only, to be delivered at the club meetings.

Prices:

Disketts	\$5.00	-----
Mailing (Disks Only)	\$2.00	-----
Disk & Booklet	\$8.50 (720,724)	-----

Total -----

Name -----
 Address -----
 Phone -----

I UNDERSTAND THAT I AM NOT TO
 MAKE COPIES FOR NON-RESIDENTS.

SIGNED -----

NOTE MECC DISKS ARE IN DOS 3.3