

Zip Chip GS a Review By Neal Layton

First of all I just want to say that this is my first attempt at a product review, so please take it easy on me!

I never thought my GS needed a accelerator until I used one of Larry's parents machines that was equipped with a TransWarp GS. Even though I only used it for about 15 minutes, when I got back home to my machine I knew it was time for me to finally take the step and speed up my machine. I also realized that the reason that I never used any of the graphics based programs available for the GS was

because of their speed. It wasn't because I didn't like them, it was because it took so long to draw all those screens up and I just could not stand the waiting. So after admitting this the choice was easy. (Read my other article titled "Tired of it....")

So I started my research and found a few facts. There are only two companies that make accelerators for the GS, they are, Applied Engineering and ZIP Technologies. I already own about half of Applied Engineering product line. So being a very satisfied customer of AE (plus I have never heard a good word about ZIP Technologies) I started looking at them to give my machine warp speed. I didn't really know what to look for in a accelerator card so my first concern was price. I found that a AE card that would speed up my machine to approx 7 Mhz (2.6 Mhz is the max original speed) and cost me \$299 straight from the manufacture, it

also carries a one year warranty. It also comes with a build in ROM software to give you control panel control of the speed of the GS. Either slow (1 Mhz), Normal (2.6 Mhz) or Fast (7 Mhz) No speeds in between. Oh I forgot to mention that it supposedly comes with 32k cache memory but no one seemed to be able to explain why this isn't mentioned in any of the advertisements. Only in one small mail order description did I see this notation, so I wasn't really to sure if they knew

what they were talking about, but everyone I talked to seemed to sheepishly admit yes it was true. I had to drag it out of them, it was never a selling point almost as if they were embarrassed about it. I thought this was more than a little strange. After a few phone calls and some more

reading I found out that the original TransWarp GS for \$299 was only an 8k cache and with the pressure from Zip Chip GS sales, AE started to offer a 32k cache memory option for \$399. Then I started checking with Zip Technologies to see

what they had to offer. I was shocked. The slowest chip they had was 8 Mhz for only \$149.95 but as I started checking I found that the warranty seemed limited to 30 day and it contained no cache memory but it could be added (8k) for \$19.95 bringing the total to only \$169.90 straight from Zip

Technologies!!! Well I thought this was great, the same basic thing for \$120 less money so I checked more. I never did find out the warranty info but I was to excited to care.(I've since read that it's 1 year) The prices for the Zip Chip GS area as follows:

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Meeting Notice

**Our next meeting will be on November 17th, 1991, at
The Computer Store.**

**Topic: MIDI (Musical instrument digital interface)
by; Randy Wilson**

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Meetings-Regular Membership

The regular membership meeting is held on the third Thursday of the month, with a starting time of 7:00 p m.. The meeting is held at the Computerstore at 444 Ferry Street S.E. (downtown Salem). The general public is invited to attend.

Meetings - Board of Directors

The Board of Directors meeting is held before the regular meeting or as otherwise arranged.

Annual Membership Dues

Individual members \$15.00

WAC Journal

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Authors should submit their articles in hard copy, 3 1/2 inch disk or send it via modem to the editor at the above number by the first of the month.

Copy should be submitted in Appleworks, AppleworksGS, ASCII or Publish - It format.

The WAC Journal is published monthly.

Contributing writers are needed, especially for the Who's Who column. This is a member written column dealing with what each individual is doing with their computer, what kind of computer and programs you use, and how long you've had your computer. I can accept your article at any time

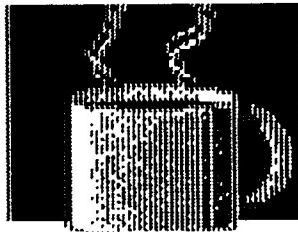
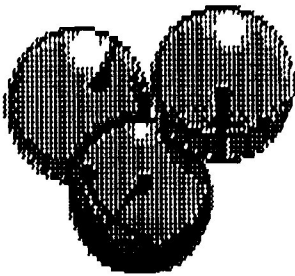
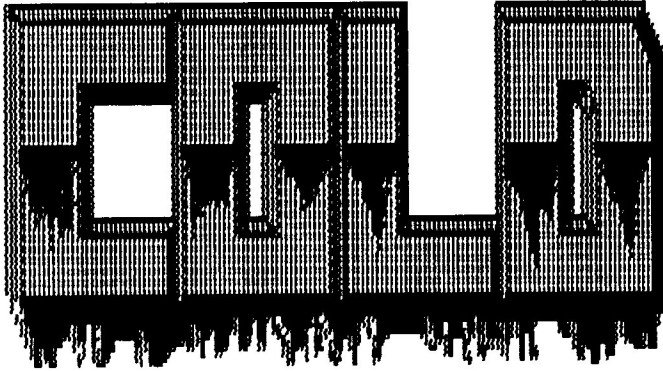
New Members and Reinstatements

WELCOME TO OUR NEW CLUB MEMBERS;

RENEWALS;

Editors Notes

By: Frans Geerlings



Just a few more pictures that I pulled of the Softdisk GS.

Cont'd from page #1

Basic Zip Chip GS (7 Mhz)	\$149.95
8 Mhz Upgrade	\$ 29.95
9 Mhz Upgrade	\$ 59.95
8k Cache upgrade	\$ 19.95
32k Cache upgrade	\$ 49.95

There is also a 10 mhz Zip Chip with 64k cache memory available for \$429. This was a little more than I could justify at the time so I went with a 9 Mhz 32k cache memory model. The total charge to my credit card was \$265.65. I'm also glad to say that I had my new Zip Chip GS within 5 business days of my order and they didn't charge my credit card until at least 45 days after I had been using my new toy. I had received 2 credit card bills and was hoping they had forgotten it when the third bill finally arrived. Quite a different story from the horrors I heard a couple of years ago. They must be doing pretty well financially to wait 45 days to bill people. It's either that or they learned a lesson from the days of the original Zip Chip.

The Zip Chip GS comes in a plain white box with just felt tip pen marking on the cover "9/32" which meant 9 Mhz & 32k cache memory. I opened the box and found a 4 things:

1. The Zip Chip GS card itself
2. The Zip Chip installation disk
3. The Zip Chip Manual
4. Chip removal tool

The first thing I need to talk about is the manual. It is 7 pages long (well it's supposed to be 8, I guess because mine is missing page number 2.) It's a Xerox copy that could use a little (lots) more effort. In short the manual was totally useless. Three of the 7 pages were just a compatibility list and a registration form so I could get my warranty. Who knows what's on the missing page!?! Anyway the one thing the manual did manage to tell me was to run the HyperStudio stack that was on the disk included. You don't need to own Hyperstudio to run it as they included a run only version of it. The Hyperstudio stack was in short excellent!! I guess they figured it was cheaper to distribute a sort of manual on a disk rather than go the conventional paper bound method. Any question you would have had for the manual is contained in the Hyperstudio stack. I found one difference between what the manual tried to say and what the stack said and in trying to find the right answer found that neither was correct. But other than that I was very impressed with the manual on disk. Also on the disk are two utility programs

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to control the zip chip. The first one is a CDA that goes in your SYSTEM/DESK.ACCS folder this lets you control all of the ZIP functions after you have booted your system. The second utility is a program that creates an INIT file that belongs in your SYSTEM/SETUP folder. This INIT file will set your Zip Chip GS options to your specifications every time you boot up your computer. All of these options can be set via dip switches on the ZIP Chip card itself. So you have at least three ways to set all your options. Some of the things you can control are Speed of acceleration in increments of approx .50 Mhz. This is much better than the TransWarp that only allowed on or off. You can also control whether or not you want certain slots speeded up or not and if you want to speed up access to the joystick port, the ensoniq sound chip, appletalk. You can also turn your 32k cache memory on or off. In short between the hardware and software you can 'totally' control your ZIP Chip GS. The TransWarp GS has no dip switches and the software only allows you to turn the card on or off after you have booted up at full (7 Mhz) speed. With the software setup the Zip Chip has, you can install it and set it up so no one even knows it's there. Then with a few keystrokes it will fly, Next the installation. This is covered in the Hyperstudio stack but it's impossible to refer to because your machine must be off for the installation. The Xerox manual does try to help though. It's very easy to install, just take the cover off your GS (turn it off first). Touch the power supply to discharge any static electricity you might have built up. You must remove the 65c816 microprocessor (this is the slow part of your machine) They supply the chip remover tool and along with the instructions from the stack it comes right out. Place your no longer needed chip into the socket provided on the Zip card. -- Note your new Zip Chip GS doesn't need or use the old chip in any way, it's merely a holder in case you need to remove your ZIP Chip for some reason you have a safe place to put it. This is very good. I know of at least one person who has lost their 65c816 chip and has been sorry ever since. The card itself plugs into slot 3 or 4 but that is only because of the length of the cable on the card. The cable I'm talking about must go into the hole you created by removing your 65c816

microprocessor. I believe that the Zip Chip GS card will work in any slot. Since all it needs from the slot is power, it doesn't limit the use of the slot function as set by the control panel at all. The only thing you can't do is actually put another card in the same slot. The cable is barely long enough to reach from slot three, I'm not sure how they ever claim to get it to slot four. I wasn't using either so I put it in three since it was the easiest. That's it!!!

Turn your machine on and set your software to the desired speed or leave it at the factory setting. The entire installation process not counting reading the instructions was less than 10 minutes!! After about 5 minutes of Zip speed I was hooked!! I had heard that heat was also a problem with some accelerator cards but was pleased to find that after 9 hours of my computer being on I removed the cover and found that the internal temp of my GS wasn't effected at all the heat from the ram card was greater than the Zip Chip. Of course I have a Kensington System Saver GS on my system but still there was no heat build up in the card at all.

Over all I would recommend the Zip Chip GS to anyone who feels they are in slow motion.

The name of the corporation is Willamette Apple Connection, Inc. (hereinafter referred to as "WAC" or the "Corporation").

ARTICLE II - PURPOSES

WAC is organized for such charitable and educational purposes as may qualify it for exemption from federal income tax under Section 501(c)(3) of the Internal Revenue Code of 1954, as amended (or the corresponding provision of any future United States internal revenue law). More specifically, such purposes include, but are not limited to, mutual learning and education of members of the public who share an interest in Apple computers and their compatibles.

ARTICLE III - PROHIBITED ACTIVITIES

SECTION 1. COMPENSATION. No part of the net earning of the Corporation shall inure to the benefit of or be distributed to its members, directors, officers, or other private persons, except that the Corporation shall be authorized and empowered to pay reasonable compensation for services rendered and to make payments and distributions in furtherance of the purposes set forth in Article II hereof.

SECTION 2. POLITICS. No substantial part of the activities of the Corporation shall be the carrying on of propaganda, or otherwise attempting to influence legislation, and the Corporation shall not participate in, or intervene in (including the publication or distribution of statements), any political campaign on behalf of any candidate for public office.

SECTION 3. CONFLICT OF INTEREST. No member, director, or officer of the Corporation shall be financially interested, directly or indirectly, in any agreement relating to the operations conducted by the Corporation, nor in any transaction for furnishing services, facilities, or supplies to the Corporation for compensation, unless the fact of such interest be known to the Board of Directors and unless such agreement or transaction shall be authorized by the Directors who have no interest, direct or indirect, in such agreement or transaction.

SECTION 4. OTHER ACTIVITIES. The Corporation shall not carry on any other activities not permitted to be carried on (a) by a corporation exempt from federal income tax under Section 501(c)(3) of the Internal Revenue Code of 1954, as amended (or the corresponding provision of any future United States internal revenue law) or (b) by a corporation, contributions to which are deductible under Section 170 of the Internal Revenue Code of 1954, as amended (or the corresponding provision of any future United States internal revenue law).

ARTICLE IV - OFFICES

The Corporation shall have and continuously maintain in the State of Oregon a registered office, as required by the Oregon Nonprofit Corporation Law. The mailing address of the principal office of the Corporation is P.O. Box 7252, Salem, OR 97303-0053. The Corporation may maintain additional offices at other places as the Board of Directors chooses to designate.

ARTICLE V - MEMBERSHIP

SECTION 1. CLASSES OF MEMBERSHIP. There shall be two classes of membership: general and student. Any member of the immediate household holding a general membership shall be entitled to all privileges of membership, except that the general membership is entitled to a single WAC Journal and a single vote. [Amended-20 April 1989]

SECTION 2. ELIGIBILITY. Membership in WAC is open to any person interested in fulfilling the purpose of the Corporation.

SECTION 3. DUES. The annual dues for each class of membership shall be determined by the Board of Directors. New members may be required to pay an initiation fee under conditions prescribed by the Board of Directors. [Amended-20 April 1989]

SECTION 4. LIMITATION OF AUTHORITY. Except as otherwise specified in these Bylaws, no member shall act in the name of WAC or take any action that would bind WAC.

SECTION 5. RESIGNATION. Any member may resign from membership in the Corporation by submitting a written resignation to the Secretary of the Corporation, but members shall not be entitled to a refund of any portion of the annual dues and/or fees paid prior to such resignation.

SECTION 6. EXPULSION. A member may be expelled from membership in WAC for (a) failure to pay the annual dues for more than thirty (30) days after the due date thereof, or (b) engaging in activities prohibited by these Bylaws or any rule or practice adopted by the Board of Directors of which notice has been given to members. Damaging WAC property or disrupting WAC services shall be grounds for expulsion. Before any member may be expelled for engaging in prohibited activities, written charges specifying the alleged cause shall be filed with the Secretary and a copy thereof shall be served on the member charged. The member charged shall be given notice of the meeting of the Board of Directors at which the member's expulsion is to be considered and the member charged shall be allowed a hearing before the Board. If the Board determines that the prohibited activities are correctable, the member charged may, at the discretion of the Board, be given an opportunity to correct such conduct. The member charged may be expelled by the affirmative vote of two-thirds of those Directors present and voting at the Board of Directors meeting of which the member charged received notice, a quorum of Directors being present. The member charged shall receive prompt written notice of the Board's action.

ARTICLE VI - MEMBERSHIP MEETINGS

SECTION 1. REGULAR MEETINGS. Regular Membership Meetings shall be held on the third Thursday of each month, unless otherwise determined by the Board of Directors. Notice of these meetings, stating the date and hour of the meeting and the place where it is to be held, shall be by publication in the WAC Journal or the Statesman-Journal.

SECTION 2. SPECIAL MEETINGS. Special Membership Meetings may be called by: the President, the Board of Directors, or a signed petition of ten (10) percent of the members in good standing. Notice of a Special Membership Meeting, stating the date and hour of the meeting and the place where it is to be held, shall be given by publication in the WAC Journal, or the Statesman-Journal or by a mailing to all members and shall state the purpose of the meeting. No business other than that stated in the notice shall be transacted.

SECTION 3. QUORUM. Ten (10) percent of the members in good standing must be present at a Regular or Special Membership Meeting in order to conduct business.

SECTION 4. PROXIES. No member may vote by proxy at a Regular or Special Membership Meeting.

ARTICLE VII - BOARD OF DIRECTORS

SECTION 1. POWERS. The business and affairs of WAC shall be managed by its Board of Directors, which may exercise all powers of the Corporation and perform all lawful acts and things which are not directed, required to be exercised, performed by, conferred upon or reserved to the members, by law, the Article of Incorporation, or these Bylaws.

SECTION 2. COMPOSITION. The Board of Directors shall consist of 5 to 12 members: the President, the Vice-President, the Secretary, the Treasurer, the Past-President; and up to seven Directors-at-Large, as

determined by the Board of Directors prior to the nomination procedure. The Past-President shall be the individual who last served as the President; provided, however, that if an individual is entitled to serve on the Board of Directors as an Officer or Director-at-Large, he/she shall not also serve as Past-President. In that case, the Past-President shall be the predecessor to the individual who last served as the President. Should there not be a person eligible to serve as Past-President, then that position shall be converted to a Director-at-Large position until such time as there is a person who is eligible to hold the position of Past-President. If an individual is entitled to serve on the Board of Directors by virtue of election or appointment to more than one position, then such individual shall be entitled to only one vote and the second Director position shall remain vacant.

SECTION 3. TERM. Directors shall serve for a one year term beginning on January 1.

SECTION 4. REMOVAL. A Director may be removed at any time, for cause, at a Special Membership Meeting called for such purpose.

SECTION 5. VACANCIES. Upon the resignation or removal of a Director-at-Large, the Board of Directors may, by majority vote, appoint a member to serve for the remainder of the Director's term.

SECTION 6. REGULAR MEETINGS. Regular meetings of the Board of Directors shall be held monthly, unless otherwise determined by the Board of Directors. Regular meetings shall be held, at such time and place as may be determined by the Board of Directors, without further notice.

SECTION 7. SPECIAL MEETINGS. Special meetings of the Board of Directors may be called by the President, the Vice-President or two or more Directors on seven (7) days notice to each Director, if such notice is delivered personally, by telegram or by telephone; or on fourteen (14) days notice if sent by mail or published in the WAC Journal. No business other than that stated in such notice shall be conducted.

SECTION 8. CONDUCT OF MEETINGS. The President, or in his/her absence the Vice-President, shall preside at meetings of the Board of Directors. The Secretary of the Corporation, or such other person as the presiding officer may appoint, shall act as Secretary of the meetings. A majority of the Directors currently in office (not counting vacancies) shall constitute a quorum. Meetings of the Board of Directors shall be open to all the Corporation's members, except that upon majority vote, the Board of Directors may enter executive session to transact business which the Board determines to be confidential.

SECTION 9. ACTION BY CONSENT OR BY TELEPHONE. Any action required or permitted to be taken at any meeting of the Board of Directors may be taken without a meeting if a written consent to such action is signed by all members of the Board of Directors and such written consent is filed with the minutes of the proceedings of the Board. The Board of Directors may participate in a meeting by means of a conference telephone or similar communications equipment by means of which all Directors participating in the meeting can communicate with each other at the same time. Participation by such means shall constitute presence at such meeting.

ARTICLE VIII - OFFICERS

SECTION 1. DESIGNATION. The officers of the Corporation shall be the President, Vice-President, Secretary and Treasurer.

SECTION 2. PRESIDENT. The President shall be the chief executive officer of the Corporation, and shall have general charge of the business, affairs and property of the Corporation with general supervision over its other officers and agents. The President shall preside at all Membership and Board of Directors meetings and shall see that all resolutions of the Board of Directors are carried into effect. The President shall have the general powers and duties of supervision and management usually vested in the office of president of a corporation. The President shall submit an annual report describing the past year's activities of the Corporation to the membership, either in person or through the WAC Journal.

SECTION 3. VICE-PRESIDENT. The Vice-President shall serve as an administrative assistant to the President and shall oversee and coordinate the efforts of all committees and regularly scheduled programs.

The Vice President, in the absence of the President, or in the event of the President's disability, shall perform the duties and exercise the powers of the President. The Vice-President shall perform other duties designated by the President or the Board of Directors.

SECTION 4. SECRETARY. The Secretary shall give, or cause to be given, notice of Special Membership Meetings and of Special Board of Directors meetings. The Secretary shall keep the minutes of the meetings of the members and the Board of Directors. The Secretary shall send copies of the minutes of all meetings to the Board of Directors and shall also see that the books, reports, statements, and all other documents required by law are properly kept and filed. The Secretary shall perform such other duties as may be designated by the President or the Board of Directors. The Secretary may appoint one or more assistants.

SECTION 5. TREASURER. The Treasurer shall have custody of the corporate funds and other valuable effects, shall keep full and accurate accounts of receipts and disbursements in books belonging to the Corporation and shall deposit all monies and other valuable effects in the name and to the credit of the Corporation in such depository as may be designated by the Board of Directors. The Treasurer shall maintain a system of internal fiscal control and shall report monthly to the Board of Directors on the expenses and financial condition of the Corporation. The Treasurer shall perform such other duties as may be designated by the President or the Board of Directors. The Treasurer may appoint one or more assistants.

SECTION 6. VACANCIES. If the office of President, Vice-President, Secretary or Treasurer becomes vacant for any reason, the vacancy shall be appointed by the Board of Directors. Any officer appointed to fill a vacancy shall hold office until the election and qualification or appointment of his/her successor.

ARTICLE IX - ELECTIONS

SECTION 1. NOMINATIONS. Nominations for President, Vice-President, Secretary, Treasurer, and Director-at-Large shall be submitted during the month of September. The nominations may be made at the September Regular Membership Meeting or sent by mail to the Secretary through the Corporation's office.

SECTION 2. ELIGIBILITY. Only members in good standing may be candidates for elective office. An individual may be a candidate for more than one office, except that no one person may be a candidate for President and Secretary. Any dispute regarding the eligibility of a candidate shall be resolved by the Board of Directors.

SECTION 3. BALLOTING. An election shall be completed during the month of October. Only members in good standing as of September 2 may vote in the election. A ballot shall be mailed or hand-delivered to each member in good standing. Each ballot may cast one vote for each office, except that up to seven votes (noncumulative) may be cast for Director-at-Large. Prior to each annual election, the Board of Directors shall establish a deadline for the receipt of ballots.

SECTION 4. RESULTS. In the event that any candidate for Director-at-Large is also elected as an officer, such candidate shall not be eligible for election as a Director-at-Large. The eligible candidates for Director-at-Large with the greatest number of votes shall be elected. The number of Director-at-Large positions to be filled will be determined by the Board of Directors prior to the nomination process. The election tellers shall certify the results of the election to the membership prior to the second thursday of November of each year.

ARTICLE X - APPOINTMENTS

SECTION 1. EDITOR OF the JOURNAL. The President shall appoint an Editor of the WAC Journal, who, subject to the general policy direction of the Board of Directors, shall be responsible for its editorial content and publication on a regular basis. The editor may appoint one or more assistants.

SECTION 2. HEAD LIBRARIAN. The President shall appoint a Head Librarian, who, subject to the general policy direction of the Board of Directors, shall organize the Corporation's collection of programs, computer media, books and periodical collections. The Head Librarian may appoint one or more assistants.

[Amended-20 April 1989]

SECTION 3. TELECOMMUNICATIONS SYSTEM OPERATOR. The President shall appoint a Telecommunications System Operator who, subject to the general policy direction of the Board of Directors, shall be responsible for the operation of the Telecommunications System and shall chair the standing Telecommunications System Committee. [Amended-20 April 1989]

SECTION 4. VACANCIES. If the office of Editor of the Journal, Head Librarian, Telecommunications System Operator becomes vacant for any reason, the vacancy shall be filled by the President.

ARTICLE XI - COMMITTEES

SECTION 1. AUDIT COMMITTEE. The Audit Committee shall be appointed by the Board of Directors to select the Corporation's accounting firm and to review the financial records and reports of the Corporation. The President, Treasurer, Head Librarian, or other officer receiving or disbursing funds of the Corporation may not serve as a member of the Audit Committee.

SECTION 2. TELECOMMUNICATIONS SYSTEM COMMITTEE. The Telecommunications System Committee shall be a standing committee established by the Board of Directors. The Telecommunications System Operator shall chair the Telecommunications System Committee and shall appoint such additional committee members as necessary to conduct the business of the Telecommunications System of WAC. The committee shall establish policy for and operate the Telecommunications System subject to the general policy directions of the Board of Directors. An operating budget, for this purpose, shall be prepared by the committee and submitted annually to the Board of Directors for review and recommendation to the membership.

SECTION 3. OTHER COMMITTEES. The Board of Directors may appoint other standing or special committees.

ARTICLE XII - FISCAL CONTROL

SECTION 1. FISCAL YEAR. The fiscal year of WAC shall be from January 1st to December 31st.

SECTION 2. ANNUAL BUDGET. Prior to the commencement of each fiscal year, the Board of Directors shall prepare an estimated budget for the following fiscal year for the approval of a majority of those present and voting at a Membership Meeting.

SECTION 3. DISBURSEMENTS. Disbursements of \$25.00 Or more shall be made only by check. Any disbursement of \$5.00 Or more shall be supported by voucher or receipt. All checks, drafts notes and evidence of indebtedness of the Corporation shall be signed by the Treasurer and either the President or the Vice-President.

SECTION 4. CAPITAL EXPENDITURES. Capital expenditures in excess of \$1,000.00 Must be approved by a majority of those present and voting at a Membership Meeting. Approval of a line item in the annual budget shall constitute membership approval of a capital expenditure.

SECTION 5. DISSOLUTION. In the event the Corporation should cease to exist, after paying or adequately providing for the debts and obligations of the corporation, the remaining assests shall be distributed to a nonprofit fund, foundation or corporation, which is organized and operated exclusivley for charitable, educational, or religious and/or scientific purpose and which has established its tax-exempt status under Section 501(c)(3) of the Internal Revenue Code. [Amended-20 April 1989]

ARTICLE XIII - NOTICE

SECTION 1. FORM OF NOTICE. Whenever under the provision of law, the Articles of Incorporation or these Bylaws, notice is required to be given to any Director or member, such notice may be given by

publication in the WAC Journal or in writing, by mail addressed to such member or Director, at the postal address as it appears on the records of the Corporation. It is the responsibility of the member or Director to provide the Secretary of the Corporation with an accurate postal address. Such notice shall be deemed to be given at the time it is deposited in the United States mail. Notice may also be given personally, by telephone, by telegram or by telecommunication systems.

SECTION 2. WAIVER. Whenever notice is required under the provision of law, the Articles of Incorporation, or these Bylaws, a written waiver of the notice, signed by the person entitled to the notice, whether before or after the fact, shall be deemed to be the equivalent of such notice. Any member or Director who attends a meeting, without protesting the commencement of the meeting or the lack of notice shall be conclusively deemed to have waived notice of such meeting.

ARTICLE XIV - SPECIAL EDUCATION GROUPS

SECTION 1. FORMATION. The Board of Directors may establish special education groups (SEGs) to provide a forum for exploring topics of special concern to a portion of the membership. Among the factors to be considered by the Board of Directors in recognizing a new special education group are: whether the group conducts regularly scheduled meetings which it announces in the WAC Journal or the Statesman-Journal and whether it has at least five members.

SECTION 2. ORGANIZATION. Each special education group shall elect from among its members a Coordinator and Journal Columnist. The election of special education group officers shall be conducted annually during the month of February, under the supervision of the Board of Directors. Each special education group shall publish at least a quarterly account of its activities in the WAC Journal.

SECTION 3. LIMITATION OF AUTHORITY. No special education group shall act in the name of, or take any action which would bind the Corporation.

SECTION 4. DUES. No special education group shall neither collect dues or contributions, nor expend funds without the permission of the Board of Directors.

ARTICLE XV - LIABILITY

SECTION 1. INDEMNIFICATION. The Corporation shall, to the extent legally permissible, indemnify and hold harmless any person serving or who has served as a director, officer, or duly authorized agent of the Corporation against all liabilities and expenses, including amounts paid in satisfaction of judgments, in compromise or as fines and penalties, and counsel fees, reasonably incurred by him/her in connection with the defense or disposition of any claim, action, suit or other proceeding whether civil or criminal, in which he/she may be involved or with which he/she may be threatened, while serving or thereafter, by reason of his/her being or having been such a director, officer or agent, except with respect to any matter as to which he/she shall have been adjudicated in any proceeding not to have acted in good faith in the reasonable belief that his/her action was in the best interests of the Corporation.

SECTION 2. EXPENSES. Expenses, including counsel fees, reasonably incurred by any such director, officer, or agent in connection with the defense or disposition of any such claim, action, suit or other proceeding may be paid from time to time by the Corporation in advance of the final disposition thereof upon receipt of an undertaking by such individual to repay the Corporation the amounts so paid if it ultimately determined that indemnification of such expenses is not authorized herein. The right of indemnification hereby provided shall not be exclusive of or affect any other rights to which any such director, officer, or agent may be entitled. As used in this Article, the terms "director", "officer", and "agent" include their respective heirs, executors and administrators.

SECTION 3. INSURANCE. The Corporation may, at the election of the Board of Directors, purchase and maintain insurance on behalf of any person who is or was a director, officer, employee or agent of the Corporation or who is or was serving at the request of the Corporation as a director, officer, or agent of another corporation, partnership, joint venture, trust, or other enterprise against any liability asserted against him/her

and incurred by him/her in or arising out of his/her position, whether or not the Corporation would be obligated or empowered to indemnify him/her against such liability under this Article XV.

ARTICLE XVI - CORPORATE SEAL

The Board of Directors shall provide a corporate seal, which shall be in the form of a circle and shall have inscribed thereon the name of the corporation and the words "Corporate Seal."

ARTICLE XVII - AMENDMENT

The Board of Directors or the membership may amend these Bylaws at a Special Meeting called for that purpose by an affirmative two-thirds majority of those present and voting. Notice of all Bylaw amendments shall be published in the WAC Journal.

Classified

BBS News

For sale:

CMS SCSI card. Allows you to hook up any SCSI hard drive to your Apple. There are faster cards available, but this works fine.
\$65.00

AE GSram w/1.5meg.
GS memory expansion card, It's full at 1.5meg. I want to go to a different card
\$85.00

Apple mouse for IIe, includes interface card.
\$50.00

Contact: Steve Flippin
364-4981 home
581-4117 work

Auction

Microsoft Softcard for the II+ Min Bid \$15.00
plug in card runs CP/on
a II+ including
Microsoft Multiplan Spreadsheet

Apple Extended 80 Column Min Bid \$10.00
card for IIe

16K language card for II+ Min Bid \$ 5.00
(brings a 48k to 64K)

Apple Duo Disk Min Bid \$40.00
(Two 5.25 inch disk drives)

Swiftcard a slot 3 rom card Min Bid \$ 5.00
for Apple IIe (maybe II+ also)

Apple Modem 1200 baud Min bid \$40.00
Needs super serial card
or G modem port to use external

If you have something to sell please contact
Frans Geerlings at 581-5284.

BBS News.....

Well we still haven't gotten the Y-modem version of the BBS up and running yet. It seems as though it has more than one memory problem in dealing with the 30 Libraries we have. I'm still working on it, so don't worry as soon as I find the conflicting code I will get it up and running.

We now have available in Library 30 an Appleworks Database of all the files available online. It will be updated periodically. Thanks to Steve Flippin for the time and effort in setting up the file!!

Tired of it.....

—NO, I NEVER ONCE THOUGHT OF SELLING MY
GS!!!!!!!

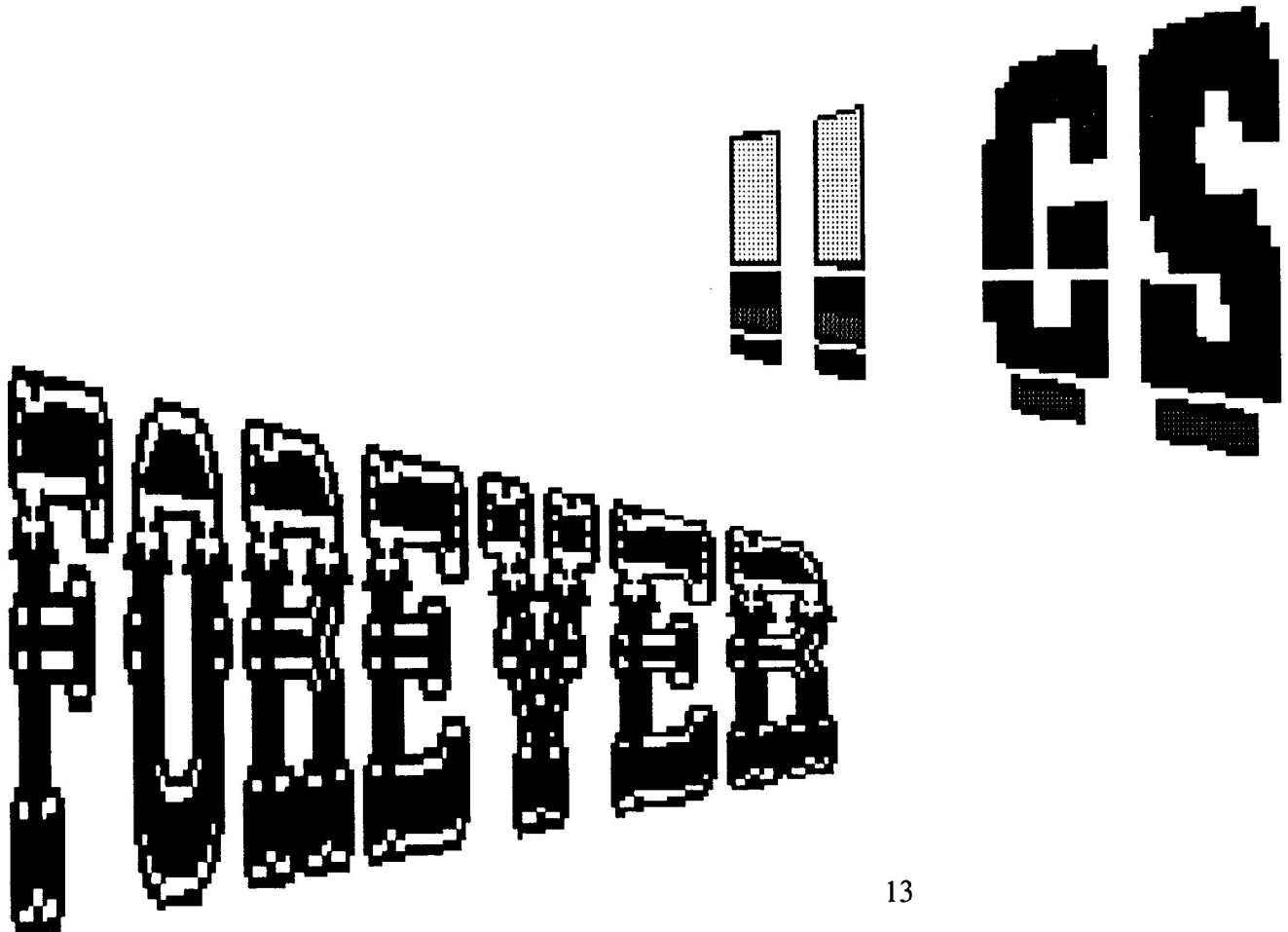
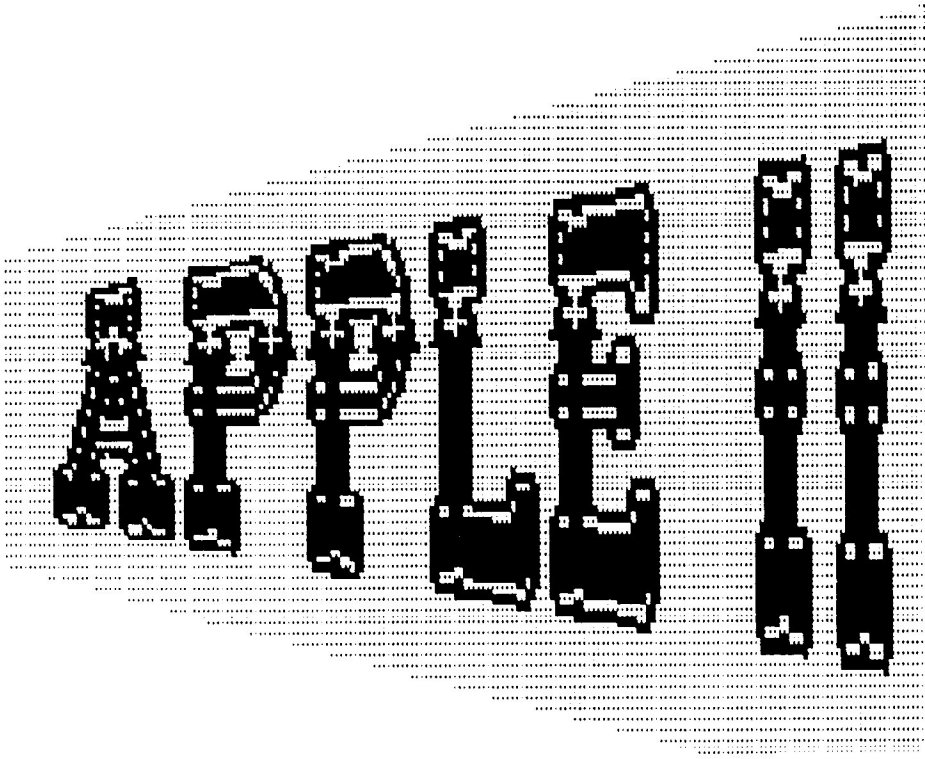
or any of my Apples for that matter. I for one am very happy that Apple Computer made the machine what it is. I 'm more than a little tired if the blasting Apple has gotten over the Apple // and the GS. I'm happy to spend a few extra dollars to make the machine into what everyone thinks Apple should just give them. I would just like to say a few last things on this then I will have said my peace.

Apple doesn't owe anyone anything. You choose the machine, you bought the machine, you even liked the machine for a while. No one made you buy a single thing, so STOP the negative attitude, no one is listening nor does anyone care. By this I don't mean that Apple isn't listening, I mean 'no one' is listening. There are plenty of people that are very happy with there machines (I happen to be one of them). If you aren't happy anymore 'please' sell your machine to someone who will care for it and love it the way you did when you first took it out of the box. (Believe me there are thousands of people that love their computers). Don't complain, don't moan just sell it and leave us that are happy alone.

I realize this is a little strong and probably not to fit for young children, but I'm tired of the attitude and I had to tell someone about it. I also figure I'm allowed to speak my mind just as they are.

Neal Layton

I admit it this is a space filler



President's Message

President's Peelings

By L.E. "Tuck" Tucker

This last month, WAC was invited to participate a "Family Fun Night" at the computer store. The event was attended well, as there was a steady stream of people coming in and going out of the store most of the night. At times there was hardly room to move about in the store.

As one would expect, the majority of the people were interested in the Macintosh line of Apple computers. However, Wac was able to answer many questions and just show the public that there is a place that Apple II owners can turn to when they need help.

I was especially glad to exhibit a Hyperstudio stack, created by Frans Geerlings, which told of our group. Since then, Frans has started to develop a new and improved stack to display in the future.

I also wish to thank Joe Durst for his assistance at our display table.

Members Expertise and/or Help Sheet

Please cut and send to WAC editor, Frans Geerlings, 3590 Hillview Dr. S.E. Salem. OR 97302

Name, Address and Phone;

Hardware you feel comfortable with

Software you feel comfortable with

Membership Application
Willamette Apple Connection, Inc
An Apple II & Compatible Users Group
P.O.Box 7252 Salem, OR 97303-0053
BBS 390-9321

Name _____

Address _____

City _____

State _____

Zip _____

Phone _____

Please list computer(s) and software you use regularly:

Please list areas of interest (i.e. DTP, graphics, spreadsheets, etc.):

Membership fee is \$15.00 annually
Please make checks payable to : Willamette

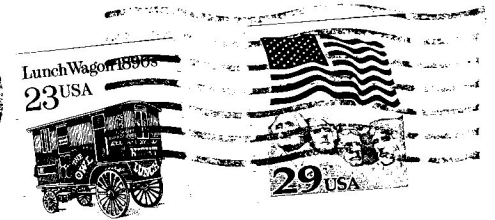
WE LIKE TO THANK
THE COMPUTER STORE FOR THE
USE OF THEIR LASER PRINTER!



USER GROUP
C-O-N-N-E-C-T-I-O-N

10/20/91

Willamette Apple Connection, Inc
P.O. Box 7252
Salem, Oregon. 97303-0053



TO

Lawrence Tucker
P.O. Box 67
Scio, OR 97333-1255

FIRST CLASS