

# McIntosh



*"...for the love  
of music..."*

by Ken Kessler

McIntosh Book



MR. MAC

**McIntosh**   
...for the love  
of music...™

Powered by McIntosh Laboratory, Inc.  
© McIntosh Lab, Inc.  
Burlington, VT 05405-1099

Model MC1201-110

Model MC1201-110

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Robert Powell (left) and Gordon Innes. Innes: 30 years of commitment and 100 months of passion.



## WHERE IT ALL STARTED

**F**or 100 years, it all started in the law. Specifically, when the nation's largest and most respected legal firm, the B. and F. Woodruff Law Firm, merged with the B. and F. Woodruff Law Firm, creating the B. and F. Woodruff Law Firm.

At the time, the firm was the largest and most respected legal firm in the South. It was a firm of men, and it was a firm of men who were men of men.

Over 100 years of history, 100 years of dedication to the law, and 100 years of service to the community. The firm was a firm of men, and it was a firm of men who were men of men.

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### DAVID A. BERGMAN

Chairman, President and CEO of  
Berkman, Adams and  
Berger, LLP  
November 2008



"Frank McEretush was a jovial old dog, referred to himself as 'Applesauce.' None of us ever called him 'Frank.' It was always 'Mr. Mac.'"

- MAMET COOPERMAN

## ROOTS

**F**or the "New England" corner of the Broadway jazz club, the Harvard Electronic Laboratory (HEL) was born in the Spring of 1972. It was the result of a group of students who were interested in exploring the possibilities of using electronic equipment in a jazz setting. The group was led by a student named McEretush, who was a member of the jazz club and had a strong interest in electronics. The group was initially composed of students from the Harvard School of Engineering and Applied Sciences, but it soon grew to include students from other departments as well. The group was active for several years, and its work was featured in a number of articles in the Harvard Crimson. The group was also active in the Harvard Jazz Club, and its work was featured in a number of articles in the Harvard Crimson.

By 1976, the group had become the Harvard Electronic Laboratory (HEL). The group was active in the Harvard Jazz Club, and its work was featured in a number of articles in the Harvard Crimson. The group was also active in the Harvard School of Engineering and Applied Sciences, and its work was featured in a number of articles in the Harvard Crimson.

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The  
McEretush  
HEL















Law firms of magnitude in the United States... McIntosh 10th Anniversary Certificate of Appreciation



and that I've never forgotten. All of them... McIntosh 10th Anniversary Certificate of Appreciation

received a certificate. The business of the... McIntosh 5th Anniversary Certificate of Appreciation

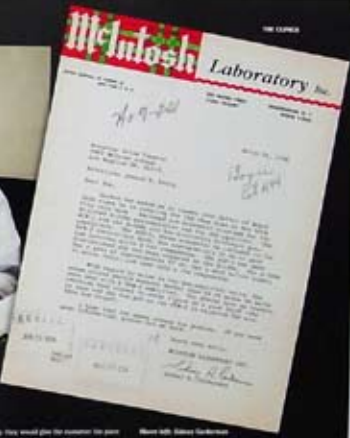
means the only... McIntosh 5th Anniversary Certificate of Appreciation



SIDNEY CORDERMAN REMEMBERS THE CLINIC

Since I'd been... McIntosh Laboratory

and usually they would give the... McIntosh Laboratory



Since Sidney's reply to a letterhead query from Joseph Daily of the Honolulu Sales Company, McIntosh's representatives in Southern California



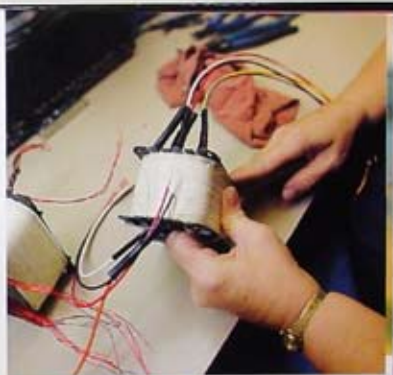






**WAVE SOLDER  
& INSPECTION!  
TOUCH-UP!**

Once the PC boards are prepared, they are sent through a flux bath followed by a pass through a wave soldering machine, where the solder is heated to 280 degrees. The boards are then washed, inspected, and given any final finishing to complete the cycle of assembly.



**OUTPUT AUTOFORMER**

The output transformer is output voltage. The transformer is one of many other major components. The manufacturing requires highly skilled, able, working techniques that the team has the most a high capacity. These are only some of the many, sometimes an intricate, complex, and finally completed.







#### PAPER

The 10-foot sheet is transported over wire to the Paper Department where the individual pieces are hung from a conveyor belt and sprayed with a hard plastic coating. The pieces are then arranged in a row, where they are held for approximately 60 minutes at 475 degrees, then cooled.



#### GLASS

The opaque, bubble-free glass (roughly 4 to 5 feet long sheets) is blown up on an 8-inch, air- or computer-controlled, water jet extrusion system. The sheet is fed and then processed by the water jet using a hydraulic extruder to form the water-jetted to over 100,000 psi. The process is an intricate task, it allows for one sheet under the direction of an operator. After the process, high pressure water from a pump is used to clean the sheet. The sheet is then held in an 8.75 gallon frame for cooling, for 10 minutes for the front and bottom. The sheet is a precise cutting without a margin of error.







"It would be confusing if someone made  
six more iPods. But, guess, you could have  
a lot of fun with that. Apple and Mac  
will never age!"

-CHARLIE HANNAH, PRESIDENT OF MCMEDIA

## MAC TO THE FUTURE

Charlie Hannah's approach to  
the world of technology is one of  
open-mindedness and curiosity.  
He's not just a fan of the latest  
gadgets, he's a fan of the people  
who make them. Hannah, president  
of MCMedia, a leading digital  
marketing agency, has spent his  
career at the intersection of  
technology and business. He's  
seen the industry evolve from  
mainframe computers to the  
personal computer, and now to  
the cloud. He's seen the way  
that technology has changed  
the way we work, live, and  
play. And he's seen the way  
that technology has created  
new opportunities for  
business and for people.

But Hannah's not just a  
passive observer. He's an  
active participant. He's  
always looking for ways  
to use technology to  
improve his business and  
the lives of his clients. He's  
always looking for ways to  
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new opportunities for  
business and for people.

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business and for people.



Charlie Hannah says  
the "Mac" system,  
the "Mac" system,  
the first part of the  
MCMedia digital media

MAC TO THE FUTURE

"I just think the world of Charlie Hannah -  
an engineer in charge of a company, a guy  
that understands it, that gets it!"

-HERBERT HOLZNER, MCMEDIA ELECTRONICS

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POWER AMPLIFIERS

MODEL	WATT	PRICE	REMARKS
100W1	100	1000	
100W2	100	1000	
100W3	100	1000	
100W4	100	1000	
100W5	100	1000	
100W6	100	1000	
100W7	100	1000	
100W8	100	1000	
100W9	100	1000	
100W10	100	1000	
100W11	100	1000	
100W12	100	1000	
100W13	100	1000	
100W14	100	1000	
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100W98	100	1000	
100W99	100	1000	
100W100	100	1000	

POWER AMPLIFIERS

MODEL	WATT	PRICE	REMARKS
100W101	100	1000	
100W102	100	1000	
100W103	100	1000	
100W104	100	1000	
100W105	100	1000	
100W106	100	1000	
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100W192	100	1000	
100W193	100	1000	
100W194	100	1000	
100W195	100	1000	
100W196	100	1000	
100W197	100	1000	
100W198	100	1000	
100W199	100	1000	
100W200	100	1000	

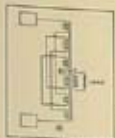


Fig. 1. The method of connecting the transformer by one of windings.

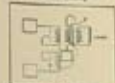


Fig. 2. Simultaneous use of two windings on transformer. The secondary windings are connected to two separate loads. The primary winding is connected to an AC source. The transformer is shown in a perspective view.

The term "transformer" is applied to a device that transfers electrical energy from one circuit to another through a magnetic field. The transformer consists of two or more coils of wire wound around a common magnetic core. The primary coil is connected to an AC source, and the secondary coil is connected to a load. The transformer is used to step up or step down the voltage of an AC source.

**Basic Technical Features**

The transformer consists of two or more coils of wire wound around a common magnetic core. The primary coil is connected to an AC source, and the secondary coil is connected to a load. The transformer is used to step up or step down the voltage of an AC source. The transformer is shown in a perspective view.

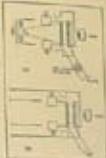


Fig. 3. Step-up transformer.



Fig. 4. Step-down transformer.

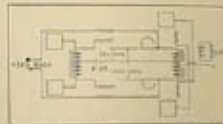


Fig. 5. The basic arrangement connected to provide a 1:1 ratio between the input and the output of the transformer.

The transformer is a device that transfers electrical energy from one circuit to another through a magnetic field. The transformer consists of two or more coils of wire wound around a common magnetic core. The primary coil is connected to an AC source, and the secondary coil is connected to a load. The transformer is used to step up or step down the voltage of an AC source.

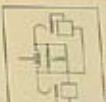


Fig. 6. Transformer with multiple secondary windings.

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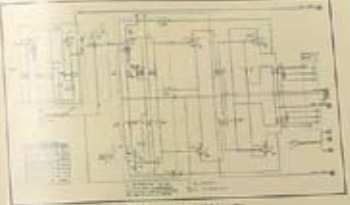


Fig. 7. Schematic of a transformer with multiple windings.



Photo: McIntosh  
Staff, Family  
& Friends in  
August 2008

Photo: The  
New Facility,  
November 2009



The McIntosh Laboratory is a testament to  
the passion and dedication of our  
employees and family members.  
We are proud to have you as part  
of our family.

*Frank McIntosh*

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