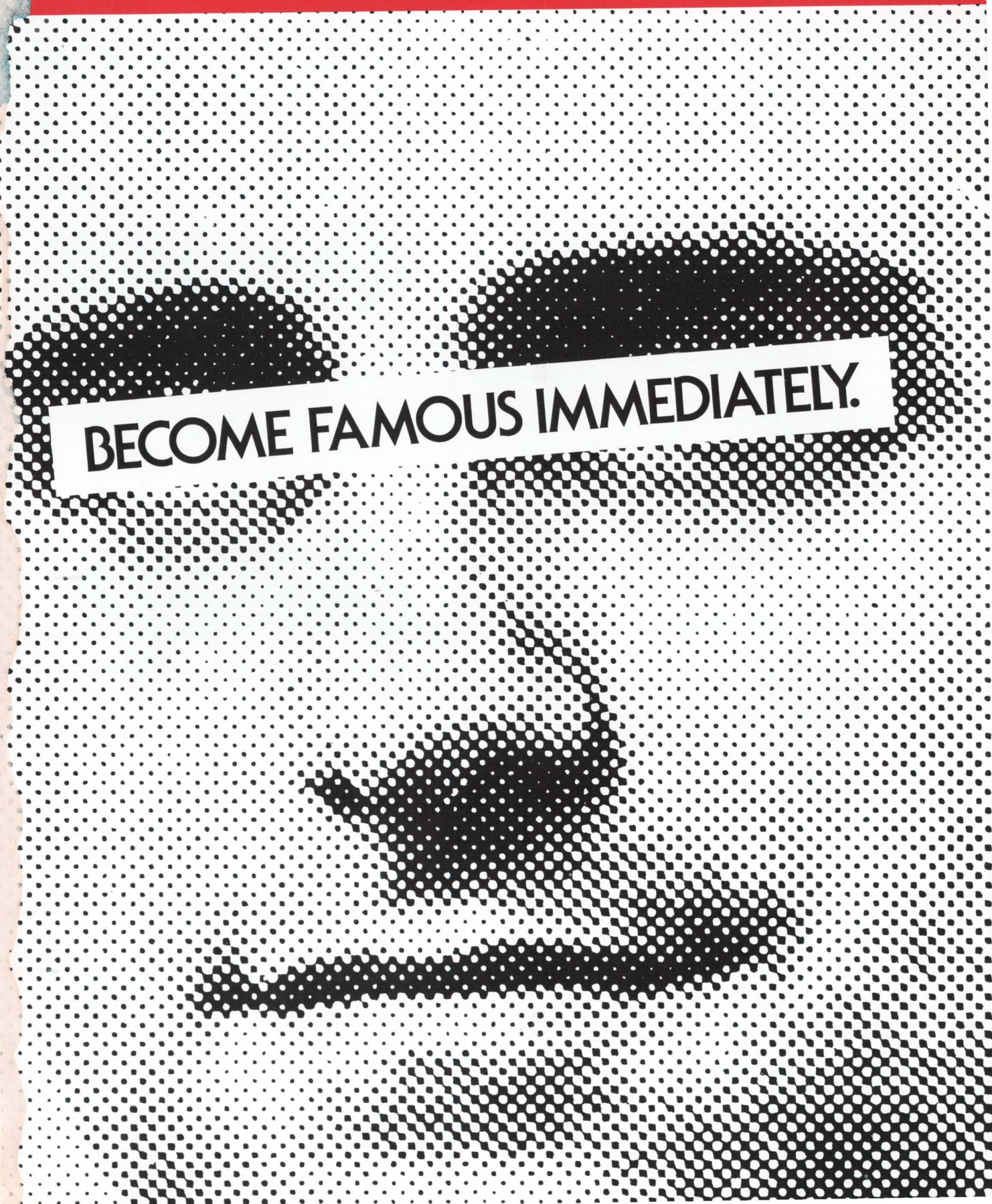
BECOME FAMOUS IMMEDIATELY.

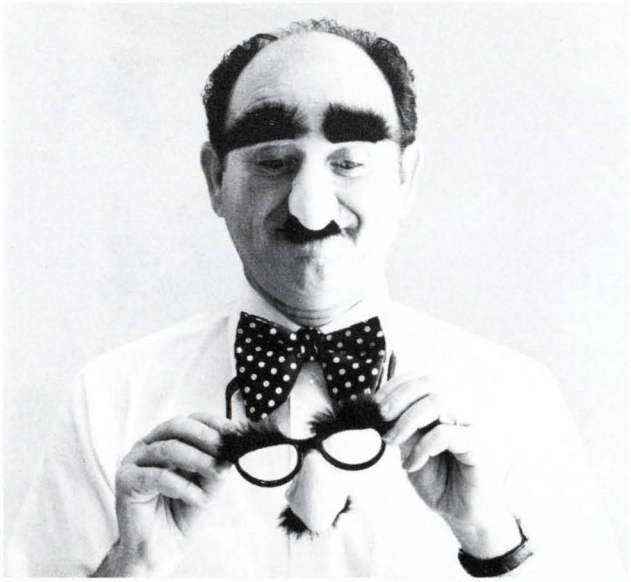


But, whether or not you become our winner has nothing to do with your receiving some really terrific FREE prizes. Just for sending in your entry, you'll receive our basic, THERE'S-NOTHING-LIKE-A-WARM-WOM KIT. (We don't have too many, so you'd better snap to it.)

THERE'S-NOTHING-LIKE-A-WOM KIT.

Included in the kit is a pair of hilarious glasses with a not-so-hilarious nose.

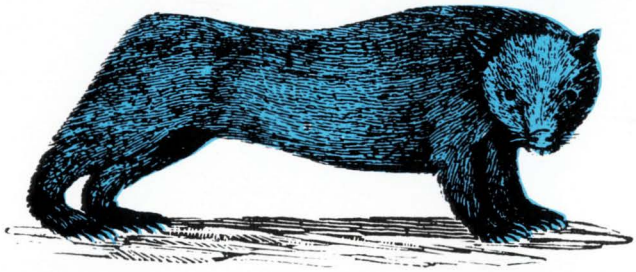
1. Mr. R. C. Abalone without funny disguise.



2. Mr. R. C. Abalone putting on funny disguise.

3. Mr. R. C. Abalone disguised.

A bumper sticker that says: HONK YOUR HORN, I'M WOMSOME. A button that says: BETTER LIVING THROUGH ELECTRICAL STUFF. The MOS Cross Reference guide and device selector. And just for good luck (you may need it) one real fortune cookie with one real fortune.



wom•bat 'wäm-,bat *n* [native name in New So. Wales]: any of several stocky Australian marsupials (family Vombatidae) resembling small bears.

Wom•bat wom'bat *n.* heavy, wooden stick. A member of the club family. Used to beat WOM into semi-conscious state.

So what are you waiting for? Do you think something like this happens everyday? Of course not. Get with it. Send in your entry, and dream the dream that few men have dared to dream—the chance to have a WOM named after you!

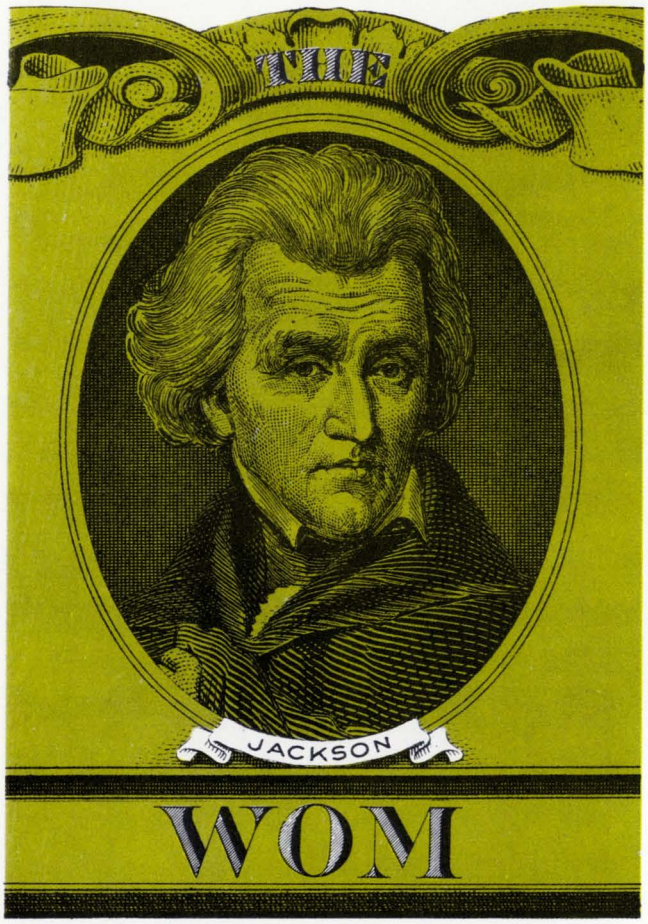
HAVE A

NAMED AFTER YOU.

Here it is. Finally.
The opportunity of a lifetime.
Your chance to have a real complex,
super gimmicky, super dynamic,
space age, ambidextrous module
named after you.

That's right. We're offering you the chance to have your name immortalized, eternally-linked with our latest bombastic breakthrough in better living through electrical stuff—our 25120 WOM!

better living
through electrical stuff
25120 WOM.

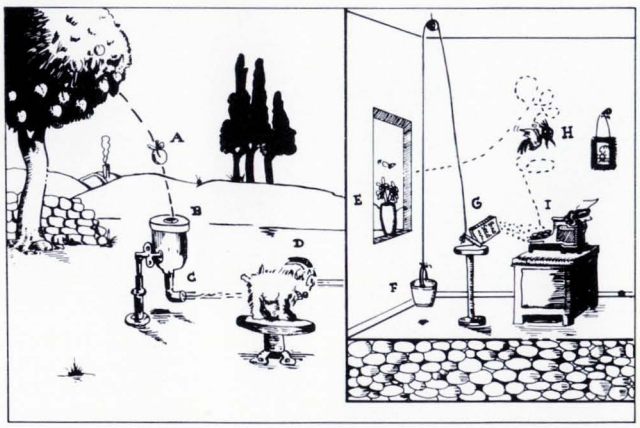


Just think, if your name was Jackson, and you came up with a use for our WOM that's better than everybody else's, from then on it would be referred to as The Jackson WOM.

Here's all you have to do: Read our spec sheet. (Not as easy as it sounds.) Figure out the best use for the 25120 WOM, and send it to us. And that's it. (Eventually, we plan to publish all the entries with appropriate credits in the First Annual WOM Report.)

★ ★ ★ ★ ★ ★ ★ ★ ★

We'll pick the winner, and his picture along with his spectacular idea will appear in our next promotion. Think of it. If you're our winner, you'll be able to run all the way home waving a picture of your immortalized face spread all over a real magazine. Great, huh!



Just one fantastic use submitted for the 25120 WOM.

Signetics Corporation
811 E. Arques Avenue
Sunnyvale, California 94086

WOM CONTEST RULES

1. Contest entrants must provide, in 200 Anglo-Saxon words or less, a clear and complete description of their unusual, unique, and original use for the Signetics 25120 Write-Only-Memory. The suggested use should solve a real or imagined problem, or non-problem if so indicated. The entry must be typed or written by hand. Use one-sided plain 8½″ x 11″ company letterhead. Lithographs, spirit prints, and Mobius loops are not acceptable. Nor are tombstones, pampers, oilcloth, and isinglass. Schematics or drawings are OK. Plagarism should be covert.

2. Information contained in the entry must not be confidential in nature nor involve proprietary thought processes. If in doubt, consult your company shrink. Winning entries will be judged on ingenuity, imagination, practibility, saleability, aptness of thought, and adaptability to the work-a-day world. Neatness is nice, but won't help a lousy idea. Saneness of entries will be judged according to the McNaughton guidelines. No purchase is necessary, but remember this promotion to make YOU famous is costing us plenty and money doesn't grow on trees.

3. Judging will be performed by a panel of experts skilled in the art and science of go, no-go electronics. Their decision will be final.

4. There is no limit on the number of entries provided they don't exceed one (1). Entries must be postmarked no later than midnight, July 31, 1973. Mail entries to "I Want to Be Famous", C/O Signetics Corporation, 811 East Arques Avenue, Sunnyvale, California 94086. Do not send entries to 810 or 812 East Arques as they will end up in a fire station or tomato patch. Anonymous entries will be returned to the sender. All other entries become the property of the U.S. Department of Abnormal Psychology.

5. The winning entrant and runners-up will be notified by August 31 and their entry will be published soon after for all the world to see and marvel at.

6. Contest is void where prohibited by state or federal law or company policy which denies fame to employees. Employees of Signetics Corporation, its sales affiliates, representatives, advertising agency, and members of their families up to 2nd cousins by marriage are not *excluded* from sending entries, but will never win.

7. Warning: Participation in this contest may be harmful to your mental health, especially if you lose.

signetics FULLY ENCODED, 9046 x N, RANDOM ACCESS WRITE-ONLY-MEMORY

25120

FINAL SPECIFICATION(10)

DESCRIPTION

The Signetics 25000 Series 9046XN Random Access Write-Only-Memory employs both enhancement and depletion mode P-Channel, N-Channel, and neu(1) channel MOS devices. Although a static device, a single TTL level clock phase is required to drive the on-board multi-port clock generator. Data refresh is accomplished during CB and LH periods(11). Quadri-state outputs (when applicable) allow expansion in many directions, depending on organization.

The static memory cells are operated dynamically to yield extremely low power dissipation. All inputs and outputs are directly TTL compatible when proper interfacing circuitry is employed.

Device construction is more or less S.O.S.(2).

FEATURES

- **FULLY ENCODED MULTI-PORT ADDRESSING**
- **WRITE CYCLE TIME 80nS (MAX. TYPICAL)**
- **WRITE ACCESS TIME (3)**
- **POWER DISSIPATION 10uW/BIT TYPICAL**
- **CELL REFRESH TIME 2mS (MIN. TYPICAL)**
- **TTL/DTL COMPATIBLE INPUTS(4)**
- **AVAILABLE OUTPUTS "n"**
- **CLOCK LINE CAPACITANCE 2pF MAX.(5)**
- **$V^{CC} = +10V$**
- **$V^{DD} = OV \pm 2\%$**
- **$V^{FF} = 6.3V^{ac}$ (6)**

APPLICATIONS

DON'T CARE BUFFER STORES
LEAST SIGNIFICANT CONTROL MEMORIES
POST MORTEM MEMORIES (WEAPON SYSTEMS)
ARTIFICIAL MEMORY SYSTEMS
NON-INTELLIGENT MICRO CONTROLLERS
FIRST-IN NEVER-OUT (FINO) ASYNCHRONOUS BUFFERS
OVERFLOW REGISTER (BIT BUCKET)

PROCESS TECHNOLOGY

The use of Signetics unique SEX(7) process yields Vth (var.) and allows the design(8) and production(9) of higher performance MOS circuits than can be obtained by competitor's techniques.

BIPOLAR COMPATIBILITY

All data and clock inputs plus applicable outputs will interface directly or nearly directly with bipolar circuits of suitable characteristics. In any event use 1 amp fuses in all power supply and data lines.

INPUT PROTECTION

All terminals are provided with slip-on latex protectors for the prevention of Voltage Destruction. (PILL packaged devices do not require protection.)

SILICON PACKAGING

Low cost silicon DIP packaging is implemented and reliability is assured by the use of a non-hermetic sealing technique which prevents the entrapment of harmful ions, but which allows the free exchange of friendly ions.

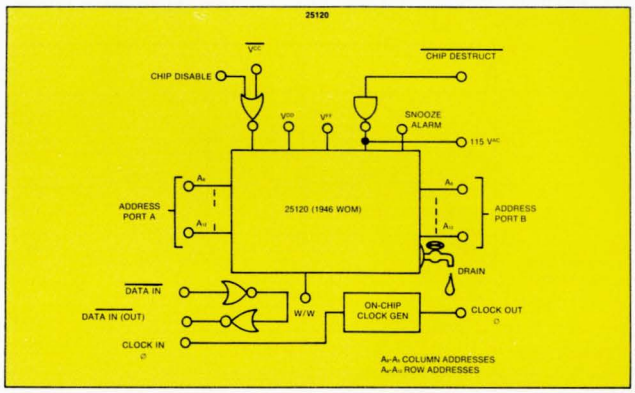
SPECIAL FEATURES

Because of the employment of the Signetics' proprietary Sanderson-Rabbet Channel the 25120 will provide 50% higher speed than you will obtain.

COOLING

The 25120 is easily cooled by employment of a six-foot fan, ½" from the package. If the device fails, you have exceeded the ratings. In such cases, more air is recommended.

BLOCK DIAGRAM



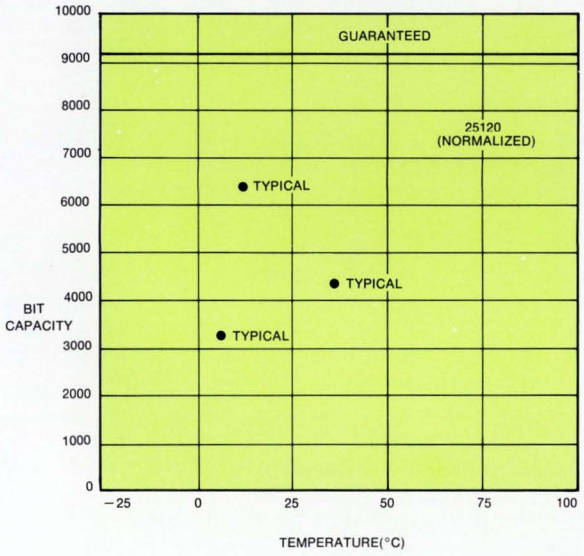
PART IDENTIFICATION

TYPE	"n"	TEMP. RANGE	PACKAGE
25120	0	0 to −70°C	Whatever's Right

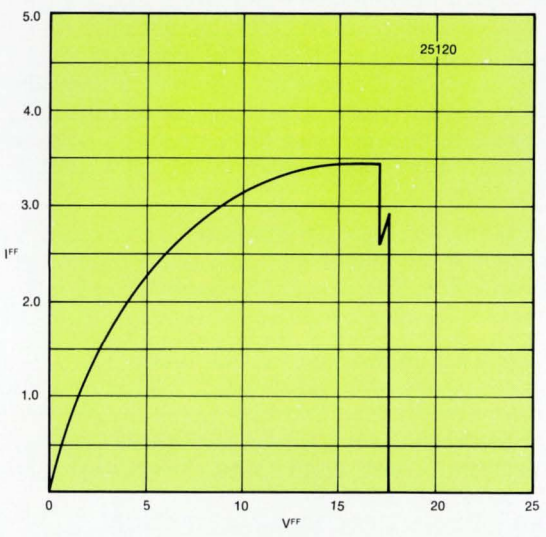
1. "Neu" channel devices enhance or deplete regardless of gate polarity, either simultaneously or randomly. Sometimes not at all.
2. "S.O.S." copyrighted U.S. Army Commissary, 1940.
3. Not applicable.
4. You can somehow drive these inputs from TTL, the method is obvious.
5. Measure at 1MHz, 25mVac, 1.9pF in series.
6. For the filaments, what else!
7. You have a dirty mind. S.E.X. is Signetics EXtra Secret process. "One Shovel Full to One Shovel Full", patented by Yagura, Kashkooli, Converse and Al. Circa 1921.
8. J. Kane calls it design (we humor him).
9. See "Modern Production Techniques" by T. Arrieta (not yet written).
10. Final until we got a look at some actual parts.
11. Coffee breaks and lunch hours.
12. Due credit to EIMAC for inspiration.

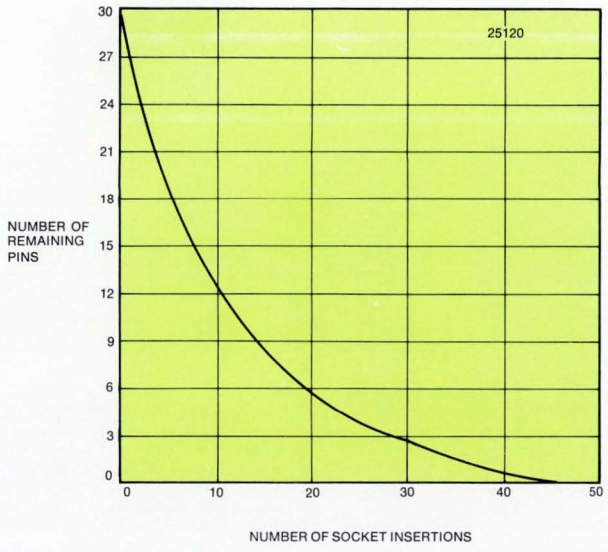
TYPICAL CHARACTERISTIC CURVES

BIT CAPACITY VS. TEMP.

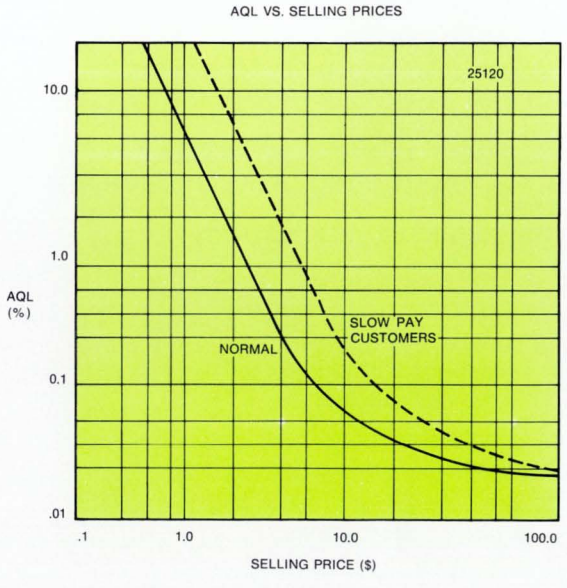


I^{FF} VS. V^{FF}





AQL VS. SELLING PRICES



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