Report on 1401 Secsions at SHARE Moetin Washington, D.C.

Courses 91 99 1921

August 21, 22, 1961

IBM Attendess: DFD Marketing - W. C GP Applied Programming - J. H.

- S. C. Nicholzon
- J. Petter
- J. J. in gram
- F. G. Underwoo

#### Summary:

The SLARE meeting is an excellent place to meet large samifers of continence with city is minery. Do notativation as "the information of continence with city is minery by the catalutions with the information be quite height to SLM from both a long and enter them point of view, most SLARE members attending the 100 considera every familiar with the 150 and 160 programming. It is very important that problem they know, and those they distributed and propose they know, and those they distributed and propose chard six casages with a sifect programming or timing at an early a point in time as possible.

while we were able to furnish in a general manner the Engineering Information elected by the STARE monitors, The but an amore detailed a support of the Commission of the STARE was a support of the Commission of the STARE while the Commission of the STARE was a support of the STARE while the Commission of the STARE was a support of the STARE while the Commission of the STARE was a support of the STARE while the STARE was a support of the STARE was a support of the STARE while the STARE was a support of the STARE while the STARE was a support of the STARE

This report does not attempt to cover Applied Programming participation. However, it should be noted that there was considerable interest in the "f" language boing developed by De Applied Programming.

## Reginaering Changes:

The Engineering Changes listed below were described at a peripheral equipment committee open session attended by approximately 150 persons.

- 1. Accompilsh single item eject
- 2. Provide 55 milliseconds compute time with Funch Feed
  - 3. Improve stop key operation with Read-Punch Release.
- 4. Continue processing on overextension of Read-Punch
- 5. Permit processing to continue on Reader Validity Error
- 6. Prevent stopping of I such motor when a tape error is
- Address Validity Checking

of Adeces Walled Cheeker. The rampe of centre of the George of Adeces Walled Cheeker. The rampe of feeting to the SIARE members as Address Walled Cheeker. The rampe of feeting to the SIARE members as Address Walled Cheeker. The rampe of the Cheeker of the SIARE members as Address Walled Cheeker. The Address Walled Cheeker of the SIARE members of configuration should be relied to \$18 PLO of Installed Address Validate, Wheeler. Various property is appeared that the grown as a whole warm of the Cheeker. The result of the Cheeker of the Cheeker

No Field Bill of Matrial numbers or data were given for these changes attended the queries intermed we made that one of these changes are written the queries intermed we made that one of these changes are written for field new and others will be available within the next very few weeks. It was also nated that the Adress Validity Check Field Bills would be somewhat later, possibly around the first of October. At other times, in closed exentions of the same committee, attended by approximately 2B persons, numbers of Field Bills of Material wave given for some bills straingly possible the CEMA.

Problems:

Several of the items discussed which relate to customer satisfaction are listed below:

# 1. Undetected Read and Punch owners

While differents come feeling that the frequency of occurrences of both Rend and Franch errors are not his, it, it would take many customers are confident that undetected Rend and Funds errors are a relative common occurrence. It was fet that the undetected werene occurrence and the safe that the the undetected werene occurrence and the safe that the the undetected werene occurrence and the safe that the undetected werene occurrence and the safe that the waste of the safe that the safe t

## 1402 Stacking

Many felt that stacking was not as reliable as it should be

# 3. 1402 File Feed

There some complaints that cardia would get turned over in 1902, operation. In some cases it was fail that the problem was in stacking and that it was a combination operator-har turney priving which about do court in a paper y semigraced device. In Geovers, more than one materials of the country was confident that a card occusionally farmed wave in dropping from the life feed into the read hopper.

## 4. Tape Diagnostics

Dissatisfaction was expressed because ITM had introduced new diagnostics which made use of operation card modifiers that were not made available to customer's project murs. In shocking this point, if appear that they had reference to the inter-record Gap (IEC) test where records are read off tops but not can red to 1 (2d) memory.

## 5. 1403 Chain

Some customers prior zeros much more frequently than any other characters and in these cases the zeros wear and flatten out while the rest of the chain is citil quite good. Several customers mentioned chain breakage has occurred rather frequently; at Phillips Petroleum three chains on two machines broke in less than six menths after initial 140 installation.

#### 6. Short Addresses

There was some discattification organised on this point, CERI, in particular, "Supercopied desattification with not being able to install the parallel Sam road, which provints use of short addresses, on Gauge 1. They pointed out into our estima here were out compatible some address. Validity Chiching. Mr. K. A. Beit has inventible the control of the

## . Operation of No-Op instruction

Several customers expressed concern over the restrictions which appy to this operation. Consideration is being given to a change here and the final resolution should be achieved soon.

## Distribution of Engineering Change Information to Custome

Several customers expressed dissatisfaction with IRM's distribution and installation of Engineering Changes. They feel that many times important changes, particularly those that affect liming and programming, are not installed when they should be and the customer in not informed of the availability of the changes.

## 1011 Operation

when and characters are not punched in Paper Tage, a character will be lost for each paper tage read instruction. While this can be programmed around in many cases, it was felt that it would still be a significant restriction in others. It might be pointed out that this problem can be everyone with the program translate paper tage reader.

#### SHARE Request

## vo Items were requested by SHARE members.

Column Binary-Lock Ahead feature. There is a RPQ which permits
determining if the card contains column binary information prior to
the card information being read into memory. This RPQ is included in

the suggested SHARE machine configuration. It was felt that the RP should be made part of the Column Binary feature at a corresponding routal increase.

2. Funch metallic paper tape. Bosing indicated that the lack of the ability of the paper tape punch (APL) to punch metallic tape may lead to them ordering several RCA 301/s inmiced of 1401/s.

3. 3. Ingram Senior Engineer Calculating Systems

JJI/ka cr: Mess R. Baskin - 191 A. Bell - 280 C. Bethke - White F. Elloworth - 299

R. F. Elloworth - 299
J. H. Frame - 302
T. S. Gambill - 209
C. E. Lorenson - 634
J. A. McDornall - 631

A. McDonnell - 651
D. Miller - 288
R. Marray - 831
F. Myette - 793
H. Palmer - New

W. S. Schaffer - 280
O. H. Smith - 391
R. L. Smith - R. chaete
C. D. Southard - 395

F. C. Underwood 208 E. F. Wheeler - 302