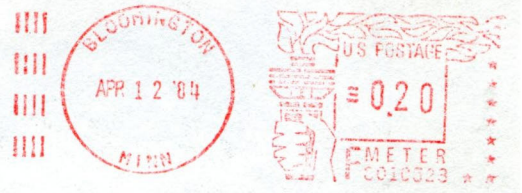


LMC

Lieberman Music Company

9549 Penn Avenue South Minneapolis, Minnesota 55431



First Class

LMC News Notes

Bally Service Bulletins

Volume 4, Number 4

April 1984

English Mark Darts Seminar

"We approached the game from a troubleshooting angle," said **Russ Dvergsten**, lead technician, referring to LMC's seminar, March 21, on English Mark Darts. "The games receive heavy use in tournaments, and operators need to repair them on site, should a problem arise. We want operators to understand the functional parts of the game so they can localize the cause of a breakdown and repair it on the spot."

Dave Robinson English Mark Darts engineer, flew in from Rockford, Ill., along with the company's president, **Paul Beall**, to cover the game's operation and deal with problems and solutions. Russ Dvergsten also gave a presentation, blocking out specific parts of the game and distributing diagrams to facilitate diagnoses and repairs.



An operator remarks the game's features

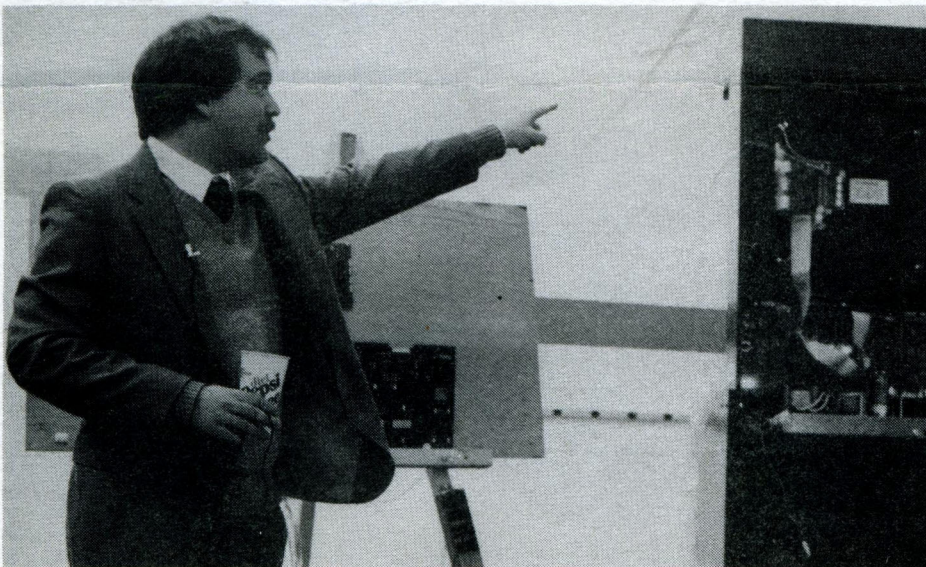
Game: Spy Hunter, Tapper & Root Beer
Subject: Fuse change 125VA power supply (A082-90412-0000)

1. Change fuse F1 on power supply from 3/8 Amp Slow Blow to 1/2 Amp Slow Blow.
2. The fuse change is also for all MCR II games with 125VA power supplies.

Game: Spy Hunter (S/D and U/R)
Subject: Calibrating steering and gas pedal pots (1K, 5K, & 10K)

Modification:

1. To aid pot calibration, remove capacitors C104 through C111 and block resistor RM3 on Super Sound I/O Board. (A084-90913-000 & A084-91657-A307)
2. These devices are located near Dip Switch #1 at B-3.



Dave Robinson, English Mark Darts engineer

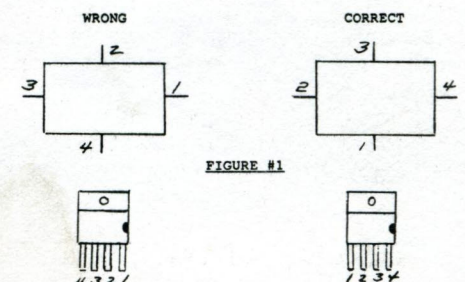
Game: Burger Time
Subject: Coin fails to register (Stays in attract mode)

Modification:

1. Solder a .01 capacitor to the chip located at 1-C from Pin #1 to Pin #7.
2. Pin #1 is +5VDC and Pin #7 is ground.
3. Check coin circuit electrically.

Game: Jr. Pac-Man (Game & Kits)
Subject: +5VDC Regulator 1R-1

1. The schematic has an error regarding the +5VDC regulator pin numbers. (See Figure #1.)
2. The error is on the schematic and logic board pin number screening (+5VDC Regulator 1R-1); also on all Pac-Man and Ms. Pac-Man games.



Careful listeners



Inspection and discussion during a break