

The magazine for Sinclair users and Timex/Sinclair users

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**THEME SECTION: SYNC AT THE KEYBOARD—PROGRAMMING**

**The Array Advantage • Anatomy of a Program Line • Knight's Tour • Sorting Techniques • Memory Mapping • Using RAM Packs • TS2068 Tips**

**• MACHINE LANGUAGE: The Great Circle • PARCLE • HARDWARE: ROM and RAM Addressing • Great RAM Rescue • GAMES: Boule • Meteors • REVIEWS: Go-fer • ZX Pro/File • Intercontroller • Forth**



BOB  
ALESE

moves, but, when they are shot down, they fall from the sky like a sack of wet cement.

Just as you find that the planes and very accurate laser mounted the alien's underside are about your match, suddenly, from the center of the alien's ship, a wide beam transports a flying saucer-looking object down to a level just above your own. It begins to shoot down your shots, and you cannot blow it away. Then it starts to move and shoot down your shots everywhere you go. You can only destroy it by getting one of the other enemies on the screen to destroy it for you.

If you eventually get through the defenses and hit the alien, there is a bloody

explosion and you are advanced to a harder screen. In the later screens, two planes attack you, the laser gets faster, and everything gets tougher.

This game is an excellent job of programming and a source of constant challenge and excitement. The (optional) sound effects, colorful hi-res graphics, multiple levels of play, and high speed action make this a fun game that can be enjoyed by anyone. Small features such as a record of the hi-score, attract mode, interesting destructions, and optional sound complete its engrossing effect.

If you liked *TS Destroyer*, this version is a must. *Cyberzone* is one of the best new games for the TS2068. ■

## Whither Clive?

David H. Ahl

This is a somewhat roundabout story, but bear with us. Lotus, that outstanding manufacturer of winning race cars as well as the Lotus Elite and Elan, has been in serious financial difficulties lately. These troubles have been magnified by the death of Colin Chapman, the founder of Lotus, and by the DeLorean affair. The only reason that DeLorean enters into the picture is that Lotus had agreed to use the DeLorean plant for the development and manufacture of some very sophisticated lightweight cars.

The latest reports we get indicate that things are improving rapidly. First, Lotus has entered into a cooperative sports car project using engine and drivetrain components from Toyota. This sparked some spirited negotiations on the part of David Wickins of British Car Auctions to take over Lotus before it fell to the control of (horrors!) a Japanese firm. The Lotus board accepted Wickin's offer.

However, some weeks later Toyota made an offer to buy 2.9 million shares of Lotus stock (16% of the total) for £1.16 million. This offer was accepted at the Lotus stockholders' meeting. So where does Sir Clive Sinclair enter in?

Sir Clive, that electronics wizard who invented the "black watch," cheap scientific calculator, ZX80 (and its derivatives), and flat screen TV, had a new invention on the drawing boards—an electric car (shades of Tom Swift).

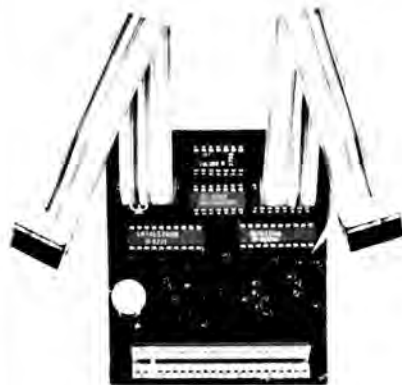
So he took a small dollop of his vast wealth (£9 million) and formed a new company called the Sinclair Vehicle Project and bought the DeLorean plant in Ireland. Why? Because Lotus had already modified it to build sophisticated lightweight vehicles.

Sinclair has stated his theory that, if you can't lighten the batteries (apparently you can't), you should 1) make the batteries fit the vehicle and/or 2) make the vehicle more efficient. His method for doing the latter is to use a chip (he calls it a "chopper") to chop the vehicle power demand on the battery into time slices of milli- or nanoseconds. In other words, deliver one millisecond of power then rest for two. Apparently this extends the discharge time enormously. Also, with the chip, the system can be programmed for various types and weights of vehicles.

Sounds good to us. Now when do we get one for evaluation? —DHA ■

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