

1 Please stand; now, please be seated.

Neighbors, please join me in reading this tenth release of the International Journal of Proof of Concept or Get the Fuck Out, a friendly little collection of articles for ladies and gentlemen of distinguished ability and taste in the field of software exploitation and the worship of weird machines. This is our tenth release, given on paper to the fine neighbors of Novi Sad, Serbia and Stockholm, Sweden.

If you are missing the first nine issues, we the editors suggest pirating them from the usual locations, or on paper from a neighbor who picked up a copy of the first in Vegas, the second in São Paulo, the third in Hamburg, the fourth in Heidelberg, the fifth in Montréal, the sixth in Las Vegas, the seventh from his parents' inkjet printer during the Thanksgiving holiday, the eighth in Heidelberg, or the ninth in Montréal.

Page 4 contains our very own Pastor Manul Laphroaig's sermon on Newton and Turing, in which we learn about the academics' affection for Turing-completeness and why they should be allowed to marry it.

On page 7, Colby Moore provides all the details you'll need to sniff simplex packets from the Globalstar satellite constellation.

Page 12 introduces some tips by Peter Hlavaty of the Keen Team on kernel pool spraying in Windows and Linux.

Page 19 presents the results of the second Underhanded Crypto Contest, held at the Crypto Village of Defcon 23.

On page 21, Sophia D'Antoine introduces some tricks for communicating between virtual machines co-located on the same physical host. In particular, the `mfence` instruction can be used to force strict ordering, interfering with CPU instruction pipelining in another VM.

Eric Davisson, on page 26, presents a nifty little trick for causing quarantined malware to be re-detected by McAfee Enterprise VirusScan! This particular tumor is benign, but we bet a neighborly reader can write a malignant variant.

Ron Fabela of Binary Brew Works, on page 28, presents his recipe for TCP/IPA, a neighborly beer with which to warm our hearts and our spirits during the coming apocalypse.

Our centerfold in this issue is the schematic diagram to an Elektronika BK 0010-01 computer from the USSR. You wouldn't believe how difficult it is to google the proper way to render a centerfold in L^AT_EX!

Vogelfrei shares with us some tricks for APRS and AX.25 networking on page 34. APRS exists around much of the western world, and all sorts of mischief can be had through it. (But please don't be a jerk.)

Much as some readers think of us as a security magazine, we are first and foremost a systems-internals journal with a bias toward the strange and the classic designs. Page 40 contains a reprint, in the original Serbian, of Voja Antonić' article on the Galaksija, his Z80 home computer design, the very first in Yugoslavia.

fbz is a damned fine neighbor of ours, both a mathematician and a musician. On page 60 you'll find her latest single, *Root Rights are a Grrl's Best Friend!* If you'd rather listen to it than just read the lyrics, run `vlc pocorgtfo09.pdf` and jump to page 61, where Philippe Teuwen describes how he made this fine document a polyglot of PDF, ZIP, and WavPack.

On page 62, you will find Oona's Puzzle Corner, with all sorts of nifty games for a child of five. If you aren't clever enough to solve them, then ask for help from a child of five!

On page 64, the last and most important page, we pass around the collection plate. Pastor Laphroaig doesn't need a touring jumbo jet like those television and radio preachers; rather, this humble worshiper of the weird machines needs a Turing jumbo jet with which to storm Heaven!

