

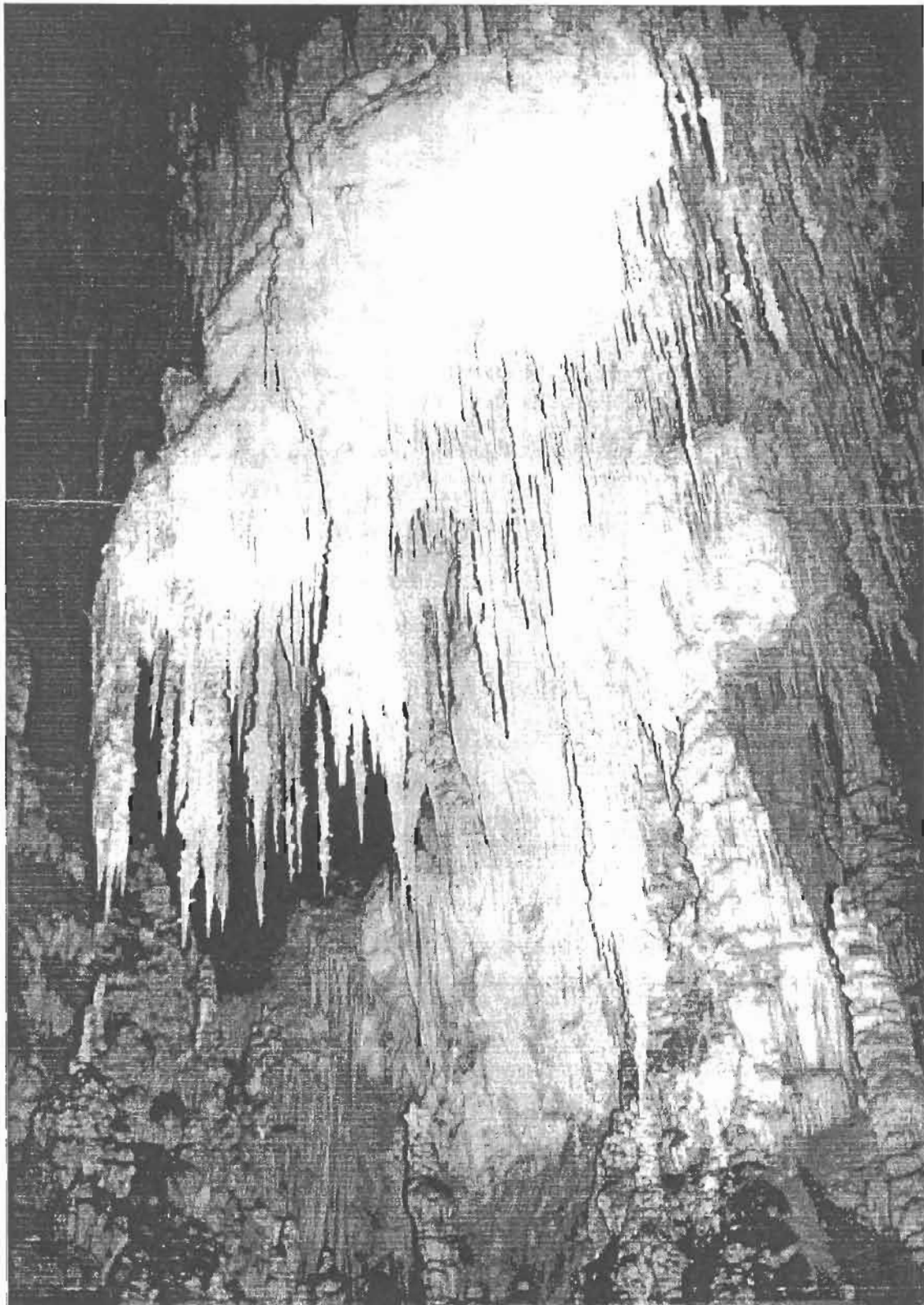
# THE MAVERICK BULL

THE MONTHLY NEWSLETTER  
OF THE MAVERICK GROTTTO



Volume 10 Issue 5

May, 1996



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The *Maverick Bull* is the monthly newsletter of The Maverick Grotto, an internal organization of The National Speleological Society (NSS G-322). The editor invites all individuals and other grottos to submit articles, news, maps, cartoons, art and photographs. If the material is to be returned, a self-addressed stamped envelope should accompany it.

**Reprinting Articles:** Internal organizations of The National Speleological Society may reprint any item (unless copyrights belong to the author as stated in the byline) first appearing in *The Maverick Bull* if proper credit is given and a complete copy of the publication is delivered to the editor at the time of publication. Other organizations should contact the editor of *The Maverick Bull* at the address herein.

**Exchanges:** The Maverick Grotto will exchange newsletters with other grottos. Contact the editor.

**Complementary Newsletters:** The Maverick Grotto will provide complementary newsletters to persons or organizations that provide

cave access (i.e. landowners) or otherwise provide assistance to cavers. The Maverick Grotto will provide one free issue to persons interested in becoming members.

**Subscription Rates:** Subscription rates are \$15.00 per year for non-members and free for members.

**Membership Policy:** Any individual with interests, beliefs and actions consistent with the purposes of The Maverick Grotto and The National Speleological Society is eligible for membership. Acceptance of new members is based on payment of dues and a mandatory three trip requirement with at least three different grotto members. These three members shall act as sponsors. At least one sponsor must attend the meeting at which the membership vote is taken. A two-thirds majority vote of the members present will be required for acceptance.

**Meetings:** Meetings are held the second Tuesday of each month at Smokey's Ribs, 5300 E. Lancaster, Fort Worth. It is located less than one mile west of Loop 820 and next to K-Mart. The time is 7:00 p.m., and the food is good.

**Carbide:** Grotto carbide is available at the meeting if prior arrangements

are made. Carbide is free for the asking. Contact Russell Hill at 220-7108 or Butch Fralia at 346-2039 for more information.

**Library:** Support your Grotto Library. Russell Hill will be accepting books and magazines on cave-related topics, copies of homemade cave videos, etc. for our library. We wish to thank Russell for his efforts each month to bring and set up the Grotto Library.

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**Photo Credits**

This month's cover photo of of some Ogle Cave formations was taken by Chad Fenner.

**Other Credits**

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**Visit Our Web Site**

The *Maverick Bull* is available as a World Wide Web Site at: <http://www.why.net/user/caver/bull/>

## Minutes For the April Meeting

### Maverick Grotto April 9, 1996

The April meeting began at approximately 7:00 p.m. The business portion of the meeting was brought to order shortly after 7:30 by Grotto Chairman Mike Anderson.

#### Visitors:

None.

#### Announcements:

Dues are past due! Pay Mark or Pam. Next month we will publish a grotto phone list and if you haven't paid, then you won't be on it.

#### Old Business:

There was some discussion about

the field trip to the Ft. Worth Zoo. Logistically, it doesn't look like it's gonna happen.

We're still in the preliminary stages for the October party planning.

#### New Business:

No new news on the River Stix situation.

The grotto will donate \$25 to the NSS in the name of Charles Haskett.

Some Wallmarts are selling bat houses now.

Ed Goff was voted in as a new member.

#### Trip Reports:

The Easter trip to the Guads was a success: 13 people, including 2 2 ½ year old. (Hey, whose gonna write the trip report? --Ed.)

Mike Pearson ridge walked at the Guadeloupe National Park, asked various questions about caving in the area, and got no good answers. He also took a group of Boy Scouts to Robber Baron's.

The meeting then broke down into several smaller discussions, and since there was no program planned, it just sort of ended that way.

## Editor's Ramblings

Happy May!

Is everybody ready to go caving at Colorado Bend State Park? Better read the follow-up story to last month's gold story before you get too excited.

Several of us from the grotto went to the TSS Technical Conference. We had a great time and learned a lot.

Well, this is the month for the annual grotto phone list. It looks like I'm still missing quite a bit of data for a lot of you. If your phone number is wrong or missing, or for that matter,

any data is wrong or missing, give me a call. The list is only as good as the data you provide me.

It's been a couple of months since anyone submitted a trip report. In my personal opinion, the newsletter gets a bit dry without that personal touch from the grotto members.

John Langevin told me that he found out something interesting about certain model hand-held Magellan GPS receivers. Apparently an obscure feature in one of the mid-range-priced models doesn't work as advertised. Unfortunately for John, this was the feature that he

wanted. The missing feature allows users to define user-defined datums, useful if you have a map generated using a nonstandard coordinate system.

John noticed some irrational behavior when he tried to define a datum. After a few calls to Magellan, he got a hold of someone who admitted that they were having problems with that feature.

If you were looking for this feature, you might want to talk to John first.

Good caving.

-CF

## May Meeting

The May meeting will be held on Tuesday, May 14 at Smokey's Ribs, 5300 E. Lancaster, at 7 p.m. This

month's program was not available at press time. I'm sure it will be good, though. In any case, you can always

talk about your last trip and plan your next one. See you there.

## Cavers Unable to Cash in on Gold Find

As reported in last month's *Maverick Bull*, a group of cavers came across a chest of Spanish Gold in a Colorado Bend State Park Cave.

As it turns out, after inspection by state chemists, the gold was not what it was cracked up to be. After close inspection, the gold turned out to be a type of gold called "Austare de Avril Faux", which when translated from Latin to Spanish and then into English roughly means "April Fool's Gold."

Actually, as most of you figured out, the whole story was an April Fool's story. It was a story I almost did last year, but couldn't quite talk myself into it. This year I just couldn't talk myself out of it.

In spite of no hints in the story itself that it was a gag, most of you didn't fall for it. I guess I'm just not creative enough for you.

As many pointed out, the Spanish conquistadors never made it to this part of Texas. Others pointed out that a story like that would have made the evening news, not just a local caving newsletter.

Well, it was fun to write, and I hope you had fun reading it.

We'll see what happens next year...

## Easter in the Guads

The Easter restoration trip to Three Mile Hill was canceled due to accumulations of snow in the area up to about 12 inches. It began snowing late Thursday night and continued all day Friday. Spencer and Pam, Susan Herpin and group, and Dan Oughton vehicles all made it to the top of the hill before the snow began sticking.

The group from Wichita Falls (Paul Rodriguez and Melanie, Gary Mahan, were in Paul's truck) were lucky enough to get stranded at the base of the hill about 4 a.m. Friday

morning. I was in the 4-runner and was able to creep up the hill about 100 yards before I noticed Paul wasn't behind me. He said he kept sliding down instead of going up the hill. When I stopped my truck to wait on him, I couldn't get going forward in low 4, and tended to go sideways, so I backed down the hill in my own ruts. Neck ache aside, I was happy to be off the incline. I pitched a tent in the six inches of accumulation and put Jill, Shannon, and Bobby in for the remainder of the night.

When we woke up Friday morning, the tent had four new inches on it, and we were freezing. If we had proper snow wear, I am sure it would have been fun to play in the white stuff, but all I had was cotton gloves and leather boots. Gary Mahan was the only one with snow pants, so he was more playful and kept throwing snowballs into our vehicle. We broke camp and went to Queens Cafe for breakfast. Feeling sure that others had made it up the hill before us, I tried to leave word at the administration headquarters, but it was locked, and apparently no one was home. Finding the road through the snow was quite interesting.

We regrouped and refreshed at the winter headquarters of the NTSS, the Stagecoach Inn, in the famous three-double bed accommodations. It was cheap, split seven ways. One in our group had not seen the Caverns, so off we went. I later found out Gary hadn't been there since '92, so he was seeing through the eyes of a caver with a slightly different perspective.

We also took time to visit Jackie (Garcia) Burgess's shop, Guadalupe Mountain Outfitters (505-785-2212). Jackie is the former Sandia Grotto and SWR officer married to Harry Burgess, CCNP employee. Their shop specializes in "tools for exploration," including mostly caving gear. You can find Jackie's shop in the small adobe building beside the Green Tuttle Gift Shop in the parking lot of the Velvet Garter and Fast Jack's on the right side of the highway going up to the Caverns

from White City.

During our trip through the big room, Paul and Gary and I ran into a ranger I had taken off-trail to the New Mexico Room during CRF camp last summer. He didn't recognize us without our helmets. Paul and I took great delight in showing Gary all the landmarks where we had restored, cleaned up, and dipped coins. I was especially proud of the hole Melienc and I dug in the old lunch room area, but noticed it had filled in slightly. After a lengthy tour, we adjourned to the top for coffee and to watch it snow. I visited the bookstore and was impressed with its new size.

Back in Carlsbad, I took everyone to the Silver Bell Pawn Shop for shopping. They have a great selection of silver jewelry, plus the guys can go look at the sporting goods while we shop. Back at the motel, the kids got in the hot tub, we snacked, and I finally located Susan, safe and sound at Mike Huber's. She had been rescued by Ransom Turner and Kevin Glover. She said it took three hours to get from the top to Queens Cafe with several sideways motions and Spencer's van getting towed at places. Pam and Spencer left for Ruidoso to go skiing. Susan and Dan Oughton were trying to get in some restoration at the caverns. We all went out to eat at the Lonely Planet Guidebook's recommended second best spot in Carlsbad, the Stagecoach Inn Restaurant. The Deluxe Cafe was the top choice for the LPG, with Lucy's coming in third. Next time, I will skip down to Lucy's and ignore guidebooks. Although the Stagecoach Inn Restaurant was clean and cheap, it was limited on the menu. Everything we wanted, they were out of and we ended up with second choices. Fitting for the weekend. Saturday we left Carlsbad to visit the Alien Museum in Roswell on our way home. Unfortunately it didn't open until 1 p.m. and we were there at 11 a.m.

We killed time at the Fine Arts Museum and Blues Coffee Shop. The Alien Museum was surprisingly crowded. It offered a lot of clippings about the incidents around Roswell,

plus motion picture posters on the wall. One room had a full-size simulated alien autopsy, gurney and all. Videos were going on in one room, and the major attraction for us was the gift shop. If you really want to meet some strange creatures, get on out to Roswell July 4th for the International UFO Convention. That should be a real hoot. Time home from Roswell was 6 1/2 hours, and it went really fast. The sad part was having to unload all the wet gear and unused food. It is a shame my four-day weekend was only two days long.

The up side was I had never seen the Lincoln National Forest covered with snow. It is an awesome sight. The log cabin at Queens looked like a Currier and Ives scene. The trees that night had loads of snow that kept thumping to the ground, sounding like giant footsteps beside my truck where I tried to sleep. Driving into the falling snow was like hypnotic star bursts. I found it a little unnerving to have limited visibility and make the hairpin turns before you get to Queens during the drive in the wee hours of Friday morning. At least no deer were bounding out of the roadside, only one sluggish cow threatened my vehicle.

Like any good cavers, we were planning our next trip out to the Guads on our way home.

## TSS Technical Conference

More than 40 cavers attended the workshop at the Texas Speleological Survey office in Austin, Texas, on April 27. For \$5 each, the cavers were treated to talks and demos on the TSS files and high-tech topics.

Each person got refreshments, a "TSS km-grid template" (for taking UTM coordinates of locations from topo maps), and a disk with software of David McKenzie's WALLS and Taco Van Leveren's ON STATION. These state-of-the-art Windows programs were demonstrated on a screen with a rented high-resolution color video projector. Each attending

Texas grotto also received a free copy of "Cave Surveying," an instructional video produced by the TSS. Other useful software was available on a self-serve "copy station" computer. For example, we had two free federal agency DOS programs: GEOMAG computes magnetic declination at different times and places, and UTMCNV converts UTM to latitude/longitude and vice versa. Handouts included a list of caving Web page addresses, an introduction to WALLS, and a list of TSS publications.

WALLS 1.0b1 will run on all versions of Windows but will soon evolve into a 32-bit version primarily for Windows '95 (the 16-bit version will be supported, too). WALLS will also sprout more graphical features, such as the ability to digitize your survey sketch and attach the walls to the line plot. This will be useful for large caves in which additional surveys discourage the drafter from publishing provisional maps because it is too much work to redraft the map by hand each time. With WALLS one will be able to print provisional maps anytime, and the cave walls will be adjusted with the loop system each time. But WALLS has sophisticated data analysis now, which places it far ahead of other cave surveying programs.

WALLS' statistical analysis yields "unit variance estimates" (UVEs) and F statistics. The latter are used to generate a list of "bad traverses," ranked according to how consistent they are with the remaining network. One can interact with the program, "float" the bad traverse, see the bad traverse highlighted in color on the plot, and even flip-flop it around at either end to see where it best fits. Specific measurement corrections that would "fix" the traverse are suggested. Often a bad vector has a misnamed station, or an uncorrected backsight, which can be repaired by checking the original notes. This is an aid for proofreading the notes or resurveying blunders. WALLS can color the map in different ways, works with different units, and can import SMAPS SEF files. WALLS is

not generally available at this time, and the workshop attendees are considered beta testers.

On Station 2.0 is a fun cave surveying program that runs only on 32-bit Windows setups. It, too, is evolving. It can import all types of SMAPS files, including the coordinate output file, which even SMAPS cannot import. The audience "oohed and aahed" when they saw the 3D perspective maps of the Devil's Sinkhole and Yorkshire Pot rotating on the screen through the red and blue acetate lenses we had passed out. If the program had an auto-rotate feature it would be even more impressive. It is the only cave surveying program with true perspective and 3D (so far). The program is available through Taco's web page,

<http://www.onstation.com/>

Wayne Bockelman demoed CavePlot 3.0 on his Macintosh, discussed TopoRobot, and showed us how to use Canvas software to stretch and edit his cave sketches. Bob Richards displayed some beautiful color cave maps that he produced on a Mac with Freehand software. A demo of Larry Fish's WinCompass home page on the World Wide Web illustrated that program's main features.

Other survey programs were not demonstrated because of a lack of time. Peter Sprouse discussed WALLS and showed us a new Itronics notebook computer that is water-proofed and hardened for rough treatment-- handy for expeditions.

Various Internet services and their costs were discussed and demonstrated MCI Friends & Family. E-mail costs almost nothing if you're an MCI long-distance user, and if you send a moderate number of messages. New Internet services from IDT, AT&T, CompuServe, and others are offering unlimited time on the Web for monthly fees of US\$16 to \$20. For World Wide Web access, you need at least a 14.4 K-baud modem, but a 28.8 modem won't necessarily be faster if your Internet service is bogged down by too many users. Experiment!

We also showed some popular caving Web pages, such as The Virtual Cave, Lechuguilla photo map, the Maverick Grotto's page by Chad Fenner, and the new TSA page by Terry Holsinger. Chad showed how to construct a Web page using readily available "html" software.

Margaret Hart led a demo of hand-held Magellan and Garmin GPS receivers, aided by Butch Fralia and Keith Heuss. Some units are now less than US \$200 at Walmart and other stores. She showed some techniques for "differential correction" of GPS satellite signals to overcome the "selective availability" errors encoded by the U.S. military. These "SA" errors may be turned off in a few years, since they do the military little good. (See the February 1996 *Scientific American* for a good article on GPS.) Differential correction techniques are too expensive for most cavers, but a cheap hand-held unit can get you within 15 to 30 m of the true cave location. A fat pencil mark on a topo map spans about 20 m anyway.

This was the second TSS Technical Workshop. The first one in November 1994 resulted in systematic comparisons of cave surveying software that appeared on the Cavers' Digest E-mail listserver, and these comparisons set a standard. We're planning a 1997 workshop to train cave surveyors in data processing and drafting.

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## THE MINI MAG FLASHLIGHT

### ONE OF THE MOST IMPORTANT PIECES OF CAVING EQUIPMENT

Spring time is here, and we all have the natural urge to get out of town for caving and camping. I have that burning also. But now is the time to do something you always put off until you get ready to leave or, better still, when you arrive at the cave that took you four hours to drive to. Go

get your pencil and copy this down.

One of the most important pieces of a caver's equipment is the mini-mag flashlight. From my experience, the mini-mag has always performed admirably. For the cost of under fifteen dollars, this compact flashlight can take brutal punishments like perform under water, get ground into the clay, sand, and mud and earns your respect. For all the respect and trust from us it; only to ask for minimal affection.

Once, inside a cave in West Texas, I was in a tight crawl way. The passage couldn't afford a hard hat and cap lamp worn on my head. For light, I put a mini-mag in my mouth. I discovered that holding an object like that in your mouth for more than a couple of minutes really makes your mouth tired. It also makes the inside of your mouth very juicy. The mini-mag seals out the moisture.

By writing the address listed below you can find everything that you need to know about care, maintenance, parts list, costs, and ordering information for your mini-mag flashlight. The information provided here was postmarked March 1994. And while I have your full attention, I would like to suggest that each grotto purchase a few sets of spare parts for AA Mini-mag flashlights and as spare parts are needed, we simply reimburse the grotto treasury for the part.

Parts for these workhorses are very reasonable. The clear lenses are \$ .50 each and the reflector is \$1.00; O-rings are \$.40, etc.

Call or write to the Mag Instrument, Inc. Their address is: 1635 S. Sacramento Ave. \*Box 50-600\* Ontario, CA 91761-7769. Or call them at (909) 947-1006. Got access to a fax? Fax them at (909) 947-3116.

Ask for their "Retail Replacement Parts Order Form", or ask for Part number 415-295 Consumer Brochure; # 415-298 (Order Form Parts List); and # 415-296 (Order Form).

This information was researched and prepared by Dale Ellison.

## Bat Boy Screen Saver

The Weekly World News, the fine publication which first reported the "Bat Boy Found in Cave" story and all the other related reports in their paper and TV show are now at it again. The following is the release notice copied exactly:

Bring the Bat Boy right into your home - on your computer screen.

Bat Boy is swooping on the screen - your computer screen! Now you can enjoy America's favorite newspaper while preventing pesky burnout - with a nifty new Weekly World News screen saver!

Thrill to not one, not two, but THREE eye popping formats:

WATCH THE SKIES as the famed Bat Boy takes flight amid a flock of mysterious winged critters.

Come FACE-TO-FACE with an alien captain on the bridge of his star ship, as bizarre images flash on his bank of video monitors.

LEARN THE TRUTH as a dozen different mind bending front pages spin into view including our top selling covers, such as "Space Alien Backs Clinton!"

The News staff has teamed up with Ignis Technology to create this unique animated screen saver for MS Windows PCs, featuring crisp 3-D imagery and 256 gorgeous colors, packed on a pair of 3.5-inch, high-density, 1.44 MB diskettes.

The Weekly World News screen saver is also available at your local retailer.

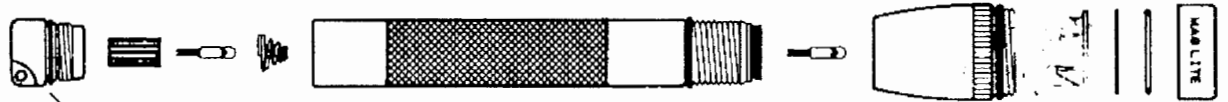
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1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 Tail cap Tapa posterior	2 O-ring, tail cap Aro tórico, tapa posterior	3 Lamp protector Protector de bombilla	4 Spare lamp Bombilla de repuesto	5 Battery spring Resorte para pilas	6 Barrel Cilindro	7 O-ring, barrel Aro tórico, cilindro	8 Lamp Bombilla	9 Head Cabeza	10 O-ring, head Aro tórico, cabezad	11 Reflector Reflector	12 Clear lens Lente transparente	13 O-ring, face cap Aro tórico, tapa delantera	14 Face cap Tapa delantera

### OPERATION

**Flood to Spot-** Rotate head of flashlight to adjust from a wide flood beam to an intense spotlight. Reverse to shut off.

**Candle Mode-** Unscrew head of flashlight. Invert head and place tail end of flashlight into the inverted head. Flashlight will act as a candle.

**Changing the Lamp-** Unscrew the entire head assembly and gently pull lamp from socket. Make sure new lamp pins are straight; insert into socket. There is a spare lamp in tail cap.

### INSPECTION & MAINTENANCE

For prolonged life and efficiency, it is necessary periodically to inspect and perform preventive maintenance on your flashlight as follows: **1. Inspection-** Any battery may leak caustic solutions or gases which can corrode the inside of your flashlight. You should remove the batteries at least once a month and visually inspect the inside of the flashlight for signs of corrosion. If corrosion is seen, follow **Returns** policy.

**2. Separate Storage of Batteries-** If your flashlight is used infrequently, e.g., once a month or less, it is recommended to remove the batteries and store them separately. This helps guard against corrosion and may also prolong battery life.

**3. Maintenance-** Place a small amount of petroleum jelly on all threads and rubber O-rings every six months.

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