

Quote of the Month:

"[Michael Faraday's] health failed rapidly in the winter of 1866-67. He went to a lighthouse to see his magneto-electric current light a lantern. A snow storm had stalled the train and he caught cold from plowing through drifts. He spent most of the summer in a chair, watching storms and sunsets. He had never found scenery that could surpass that of Heaven. On August 25th, a month before his seventy-sixth birthday, he sat down to watch a thunderstorm and the beautiful sunset that followed. Sarah came into the room as a quiet twilight was falling. She spoke to Michael, but he did not answer."

Mabel Miller in *Michael Faraday and the Dynamo*

1. Meeting began at 11:30 am and adjourned at 1:30 pm.
2. Members present: Barber, Bergschneider, Cherington, Collier, Foley, Hodge, Keen, Kithil, Simmons, Yarnell.
3. Introduction: We welcomed Mr. James Barber who recently joined the Provenant Health Partners. Jim had been with University of Kansas in the past and will help us with our re-organization plans and funding projects.
4. Rich Kithil discussed several topics. He proposed that the LDC now begin to provide Lightning and Electrical Safety Seminars. Jim Barber observed that we can now accelerate our projects which can impact peoples lives by developing projects such as the Safety Seminars. Rich suggested several seminar topics including: Lightning protection, detection, risk management, safety matters. Ken Langford raised the question of legal liability to the group as well as the speakers giving these seminars. George Hodge commented that he has an Errors and Omission insurance policy to cover him in his work. The members agreed that as we develop our formal seminar schedule we look into obtaining such insurance coverage. The hospital's legal staff may be helpful in guiding us at that time. Rich pointed out that funds received from these seminars will pay the LDC and for the speakers.

Rich distributed a manuscript by R.T. Hasbrouck entitled "Lightning-- Understanding It and Protecting Systems from Its Effect."

Rich also told us about his recent visit to the National Radio & Astronomy Laboratory at Socorro, New Mexico.

5. I distributed the Allstate Grant Application for the members to review. The application was prepared largely through the efforts of Ron Miranda and Melanie Fennema-Jonker.
6. Michael Foley reported on the response to his call for suggestions for a name change. After considerable discussion, the members present agreed

that our name be changed to Lightning Information Center. We decided to wait a month before adopting this new name so that members who were not present could provide their input before a final vote at the next meeting. Any member who wishes to suggest an alternative plan should contact Michael Foley (797-7125) before the next meeting. Michael also suggested that we adopt a subtitle that would be inserted below the words Lightning Information Center on the letterhead. Rich Kithil suggested the subtitle could be a series of words e.g.: Medicine*Engineering*Meteorology*Safety*

Michael also reported that he contacted the legal firm of Holland & Hart to help us on a pro bono basis on drafting by-laws for the organization. That firm, coincidentally, does legal work for Provenent Health Partners. We agreed that there be two categories of membership: 1. Board of Directors - those members who have been active in our proceedings; 2. Charter members.

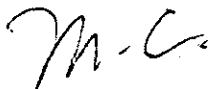
Michael distributed a paper from the IEEE Industry Applications, Vol 1, 1995 written by Jane G. Jones on Report on Electrical Shock and Burn Treatment.

- 8. Phil Yarnell discussed a recent report froms Science News (Vol 147, 1995) by John Reif from Colorado State University. The subject was the effects of EMG on dogs. He studied 230 dogs with cancer and found 93 had lymphomas. The dogs with lymphomas lived in homes where he found reason to believe they had more exposure to EMG from power lines. Phil also made the observation that the disturbing and ill defined symptoms of the whiplash syndrome resemble the neuropsychological features of some lightning and electrical injured patients. He believes that the cellular effects of trauma and current fit a final common pathway.
- 9. Kevin Bergschneider distributed two documents: 1. An article "From out of the Blue" from the April 1995 issue of Golf Course Management; 2. "Lightning Protection for Golf Courses" from the same issue.
- 10. George Hodge reported a not uncommon problem where firefighters continue to try to extinguish fires caused by lightning before the storm subsides. George believes that this occupational hazard should not be if human victims are not endangered and the firefighters are protecting property alone. George also reports that he is building a 1 million volt Tesla coil. He distributed a flyer, Lightning Verification. This presentation will be held on April 20, 1995 at Knott Laboratory. George suggested we consider joining the Internet system.
- 11. Warren Simmons discussed an article that was recently published in Club Director magazine. The subject of the article was "Golf Course Liability." Lightning was not mentioned in the article.
- 12. Ken Langford brought a copy of The Arizona Republic (Feb 22, 1995) which

carried the news report of a lightning strike at Sky Harbor International Airport where 3 workers were injured. None of the 125 passengers or 6 crew were injured.

13. Rich Collier reported that he is working on computer programs on the effects of lightning. He will present this work at our next meeting.
14. Richard Keen reminded the members to send to him their manuscripts or topic titles for the book on The Many Aspects of Lightning. Rich also brought copies of his publications including: Michigan Weather, Minnesota Weather, Skywatch, Skywatch East.
15. Next meeting: May 12, 1995, Friday at 11:30 am in Conference Room B, St. Anthony Hospital Central.

Respectfully submitted,



Michael Cherington, MD
Chairman, LDC