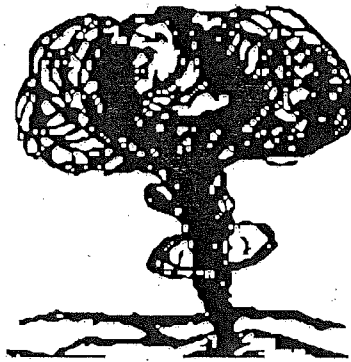


EMP Limerick Notes

Note 1.

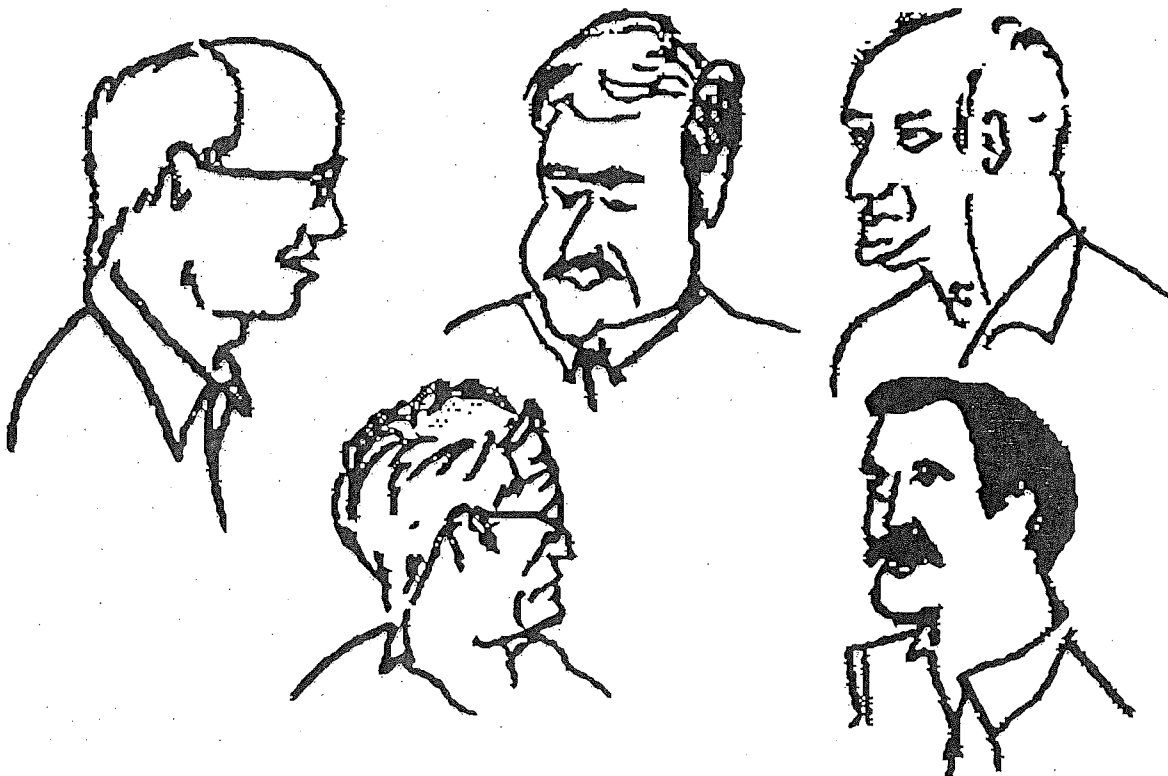
June 1988

Limerick Interaction:



Principles, Techniques, and Reference Data
A Compleat Concatenation
of Limerick Technology
from the EMP 201 Courses.

Torbjörn Karlsson, Editor.



SUPERLIMERICK EMP 201-87.

We gather to find a topology
Which stops penetration of energy.
Forgetting about your Hermitian
or even the charge conservation
You then have no discontinuity.

Expanding the poles of singularity
describing response with great clarity.
We got a good extracation
of external interaction
applied to the outermost boundary.

On wednesday was cavity coupling
including even aperture scattering.
Our solutions were analytic
Our understanding asymptotic.
The progress thus far was encouraging.

On thursday was EMP Hardening.
The method was General shielding.
Reducing the field magnetic
and also the field electric
Thereby preventing the Lightning.

This epic records our long history,
a week full of hardening technology.
Friday was spent on summation
Completing the concatenation
of electromagnetic topology.



Mr. EMP

1. To keep out an EMP field
On a cable please use a shield.
One pigtail won't do
Not even two.
Two connectors will make the field yield.

2. There was a man who got tired
of worrying how a missile is wired
an EMP struck
we're bouth out of luck
for you see, each one became fired . . .

3. I'm competing in the Yxnerum struggle
I think I'm in trouble
but see the students awake
and the faculty state:
you just solved the famous missile prouble.

4. An EMP problem I **pick**
The bell rings and there is the **stick**
Wave impinges at Ψ
Current increases, Oh My!
If you can't solve-write a **limorick**
Entrance # 201-87
THE DEAD SEA.

5. It's about EMP, EMC & Tempest.
Down here near Yxnerum Forest
Among us are T.Karlsson
And also P.Johansson,
All for the limorick Contest.

6. Mere speaking of Maxwell's equations
brings sensual happy vibrations
the ringing of which
will carry a bitch
to hitherto unknown sensations.

7. A plane getting struck by lightning
Is a situation most frightening
Though the plane survives
(until EMP arrives?)
It's a lesson most enlightening

8. An engineer who was a Swede
Didn't want his systems to be EMP'ed
So he had this reaction:
"I'll read 'EMP Interaction...',
And from this worry be freed"

9. As a teacher Carl Baum is just swell
But I wish he'd quit ringing his bell
Though it gets my attention
I do want to mention
I think it belongs down in Hell.

10. Oh! Finding the EMP relations
Might cause some minor sensations
Trying to solve a missile
With the Maxwell's Curl E
It blew up by the Baumish equations.
(=Hot stuff)

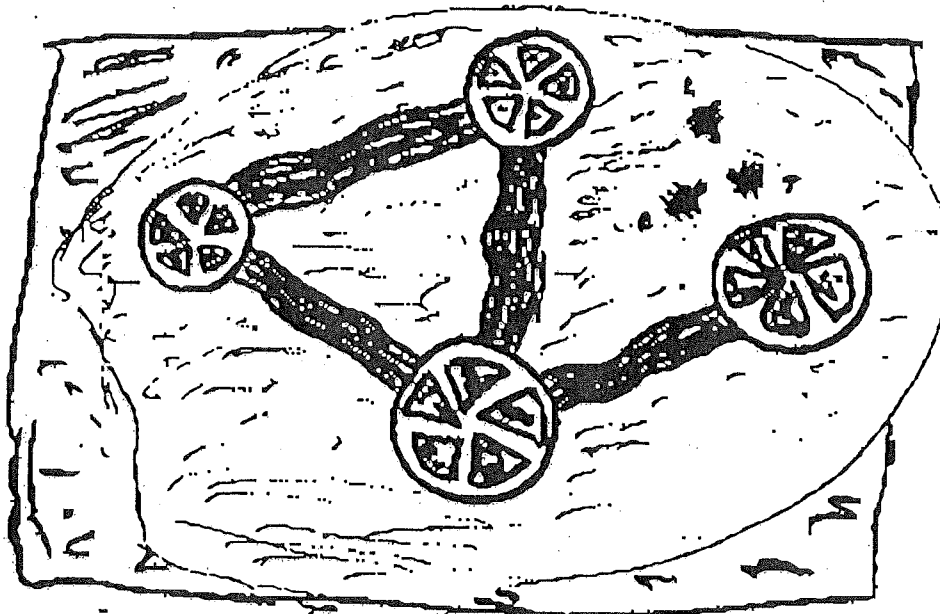
11. The Griffin's a beast oh so gory.
It came to SPERANS in a lorry.
The test was electric.
Results were selectric
And that my friends is a Saab story.

12. THE INITIAL LIMORICK.

There was an old man with a nose
who said: "If you choose to suppose
that my nose is too long
then you are certainly wrong."
The remarkable man with the nose.
Edward Lear 1864

13. **There was a young airman from Turkey**
who was posted to Albuquerque.
He solved problems in EM
without using SEM,
which was quite unlawful at AFWL.
R. Mittra

14. **Yes, the curl of E is magnetic,**
and the curl of H is electric.
Though some doubt it is true,
The divergence's there too.
Such people, you see, are eccentric.
(Entry no. 377)



BLT Equation

15. Transmission-line theory is that which
The BLT solves yet without glitch.
The authors you see
They could not agree.
They gave it the name of a sandwich.

16. EMC, HERO, Tempest, and lightning,
They produce some effects very fright'ning.
Then came EMP.
The light we now see.
With the EM topology guiding.

17. ENTRY NO. 376

Spherical ice lumps (according to theory)
unlike cubes, fill a glass more nearly
apply B.L.T.
and throw in a tree
and the drink is called Baum Kugel Baumtini.

18. A young engineer fooled around
while seeking a good place for ground.
On top of the hill
he said with a thrill:
"I've found now the least upper bound."

19. From Maxwells' equations we borrow.
We talk through the night till tomorrow.
True believers you'll be,
and proclaim EMP.
We'll see you again in Socorro!

20. "We've worked hard" is to say the least
it's almost time for our feast
we'll eat and drink hearty
and on this night party
then Carl and his bell go southeast.

21. EMP 201-86 COURSE

We came to learn about EMP-transmission
a bunch of people without any vision
teachers they babble and babble
students solve problems with trouble.
So now we are experts ready for mission
THANKS!!

22. There was an old man from Tweak
whose knowledge of EMP was weak
but he had to give a presentation
so when he spoke of specification
the results to most was all Greek.

23. *Speech at the Yxnerum banquet, June 1986*

It's been a mere pleasure seeing you all
talking and working, trying to find the overall
guiding applicable rules from Maxwell's equations.
It gave me some wonderful happy sensations

of watching a game where technique went classic,
where trivial holes of a sudden were basic
important and obvious items of science
whose effect could be dealt with in abundant variance.

And so, from your work and your eager ambition
I got this fine and enduring transmission
of your strength and your love of the work that you do.
I needed no line for that code to get through.

The EMP course 201 is a must
it's a matter of science and also of lust.
And Carl gives the key as well as the spirit,
but do let us offer the faculty merit

of adding a manifold view to the matters.
Give them a well-deserved honour that flatters
their will to return once again. As for you
busy students, who've now carried through

the lot of your problems, regard them to be
your precious and heavenly key
to the EMP-group that Carl has created
for science and friendship, inter-related.

To Lennart and Peter and Dave,
Torbjörn, Michael and to Ed
we bow in respect for the knowledge you gave
and the light that you shed
on problems we usually carry to Carl,
our outstanding expert. Here's to Carl!

Skål!

Kerstin Kocken



WHAT IS THE SOURCE
OF THE E.M.P.?

24. **EMP's gonna propagate**

Refrain:

EMP, EMP's gonna propagate.
EMP, EMP's gonna propagate.
EMP, EMP's gonna propagate.
Now hear the word of Maxwell.

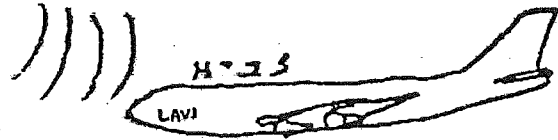
Verse:

The conductor's connected to the arrestor.
The arrestor's connected to the shield.
It's also connected to the filter.
The filter's connected to the shield
And then it's connected to a conductor.
Now hear the word of Maxwell.

25. Pig tail gives 0 dB
It's simple don't you see?
At 10 kHz it doesn't matter
but at 1 MHz it's greater
Always watch Z_T .
26. Fermi was first to predict
Longmire was first to get the drift
Ahikan invented hardened seat
protect us from the sh-t
no more EMP to us is greek!
27. An EMP-engineer in Golan Height
couldn't get his aperture right
His gun had a big hole,
but he couldn't find its pole
wherever he looked in his sight.
28. To us writing limorics seems to be crazy,
But here if you don't they think you are lazy
so in spite of listening to the guy,
and here we dare not lie,
we still feel that we are in the hazy.

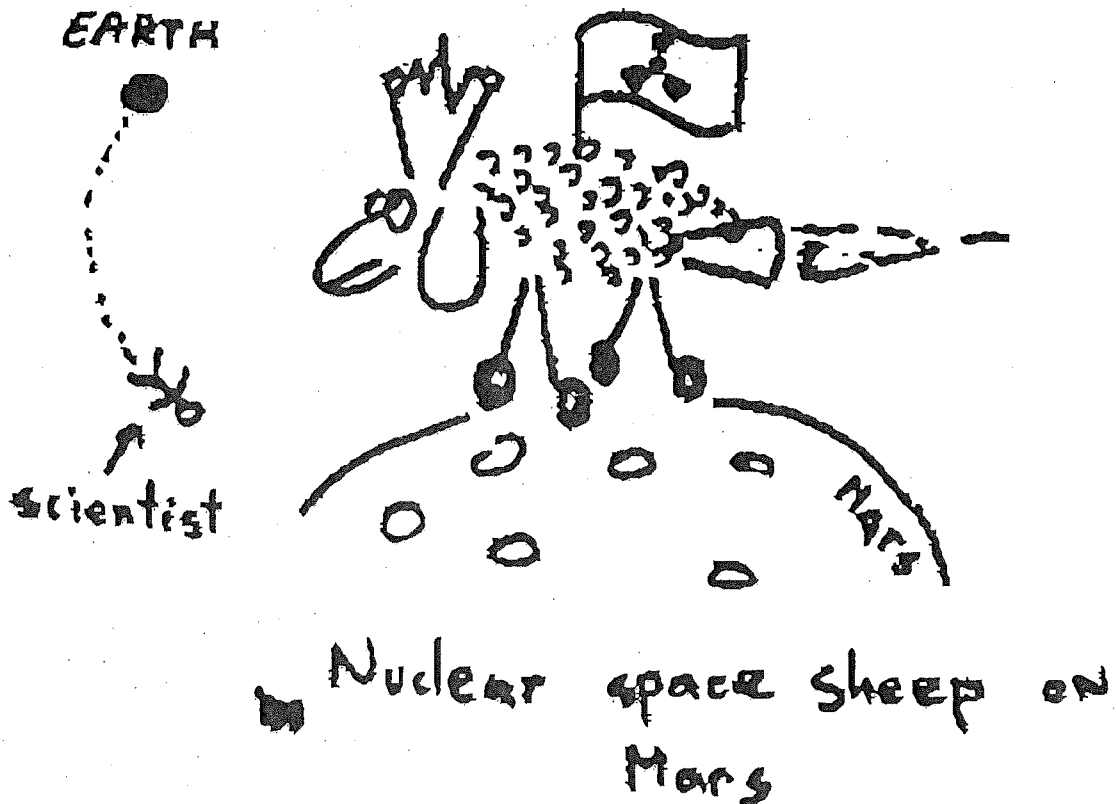
Group F

29. Lavi is the best aircraft
 it will fly(?)very fast
 wait for a decision of Shamir
 acting like a conducting
 sphere
 we may end up on a raft!

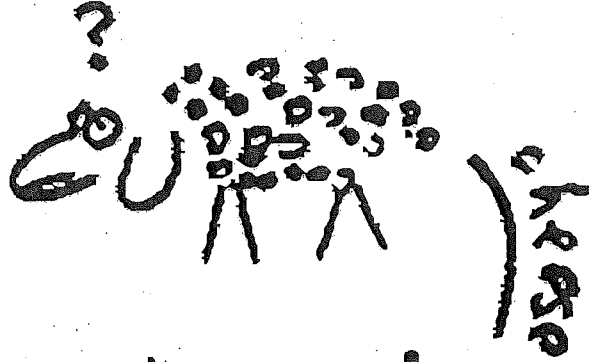


30. Deleting the raft and the aircraft Lavi
 or as the Frenchman says: C'est la vie.
 They no longer skin you,
 research may continue.
 The best aircraft now Swedish Gripen will be.

31. There was a scientist whose thoughts were too deep
 He searched for an EMP tip
 To outer space he was blown
 And on Mars before dawn
 He discovered a nuclear **Space-sheep**



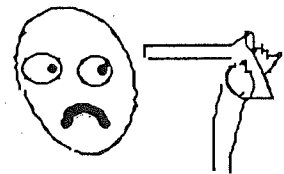
32. Carl Baum's EMP we shall follow
 and his baumkugel try hard to swallow
 it's the (shepherd's) bell heard
 to remind all the herd
 this is no place to be shallow



A wandering & wondering
 sheep of the herd.
 (facing an EMP crisis) ~~YARN~~

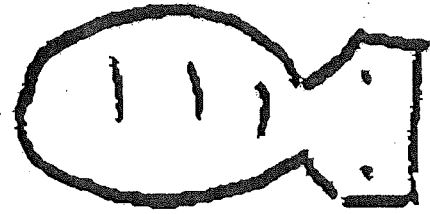
THE DESPERATE LIMORIK-WRITER'S LIMORIKS

33. I wonder how Torbjörn is doing the
 trick
 This has been so, all week
 He just sets our minds going
 And before we know what we are doing
 There comes a new LIMORIK
 Y Livnat



34. It's peace my soul wishes to seek
 I think I'm going to be sick
 This is insane
 (No matter how hard I try)
 Here I go again
 (My lips swallow and dry)
 I'm writing a new limorik
 Y Livnat

35. "Something" landed from AFWL
right in the middle of Karmiel
"Fat Boy" flashes in the skies
group G poses and smiles
with the timely precision of the
bell.



D. Anishan

36. As the faculty goes yup-ski-du
telling us what we should do
perhaps use some shields
try to see what it yields
they've convinced me— it's all black voo-doo!

37. *Carl Baum* after all this week's talk
we have seen all this "wise guys" go broke
it is clear to the eyes
this *our* "safe" advise
do not fly, do not sail, you should walk!
Y. Livnat

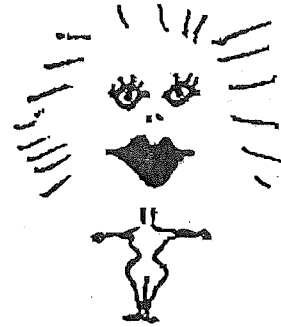
38. There was a hunter from Wisconsin
who went to the Dead Sea for a swim.
Suddenly a strike of lightning
which sounded very frightening
induced some hefty currents on his skin.

39. There are some strange establishment
dealing with funny coupling arrangements
why do they put all this time to be burnt
this is because they have to earn
their End of Month Payment.
A. Tehori

40. After five days of VU graphs instead of the sun
I think it is time for some fun
Just think of the place you are in
as if it was Halloween
Hey- Carl is Etila the Hun!

NOTE: Somehow this limorik has nothing to do with EMP.

41. There was a tall blond girl named
 Ilanit
 that participated at a course in the
 hotel kalanit
 at the beauty contest she losses
 because of the E.M.P. flash that she
 causes.
Well Boy Put on your Helmet



42. To Torbjörn.

To night we eat cheese
 get some fresh breeze
 forget EMP
 let it be
 stay in Israel and you wont freeze!

43. A small pig tail
 was sent by mail
 to group E
 for us to see
 how none of them fails.

7 '50 2JS

44. We are all in *Karmiel*
 And are listening to the *bell*
 Here to learn about **DUAM**
 While using **SEM**
 The rest of you go to *hell!*

45. Shields penetrated, Oh God!
 It seems I have lost a blue node
 A-ha musical chair
 I feel static in the air
 There! It's the natural mode.
 Y. Livnat 18.08.87

46. HBRW LMRCK.

stdnt rrvd t Krml
 Dstrbd ll th tm b th bll
 Gt pn n hs bwls
 Frgt ll th vwls
 nd ths s th w h nw spll.

47. If ever there blows up a bomb
There is certain to be a large BOOM
But if airplanes still fly
and don't fall from the sky
Then we can thank Doctor Baum
-Aron
48. A young engineer at Rafael
didn't manage to work very well.
Working hard like a horse
ended up at a course
for Bellmen in Karmiel.
49. In the last (3)
days I learned that
no shield or equation
will survive the
faculty quations.
A. Bossel
50. EMP is broadband
I wonder what will be the end
Of a big aircraft
With a tini-tiny hole in the shaft
Perhaps it'll be in the sand.
51. The EMP will no longer be demeaning
A solution you will be gleaning
An Aperture here
An Aperture there
Soon, your system will not be reeling
Group G, Carmiel, Israel
52. What's nicer than a orthogonal jin & tonic at Carmiel
or aperture in a steak with mushroom at Israel
The only help-will be God (in Hebrew "El")
so when Carl's bell for lecture is yelled
a strike in the course must be declared.
The I.D.F team.
53. At a hotel whose name was Poppy
were some lectures a little bit sloppy
Maxwell ghost was agast
that it all went so fast
like an EMP flash or jolopy.

54. There was a bright student from Reims
whose problem was with gama beans
to the rescue came bower
with a laugh that showed power
of topology and magnetic screens.
55. There was once a Swedish cavity
which had nothing to do with reality
trying to find the solution
brought total confusion
and a Belgian insanity.
56. Each time there is an EMP-event in Karmiel
it's always proceeded by a ringing of a bell
Speakers with an intermediate voice
will get their signals drowned in noise
But, what they're talking about nobody can tell.
Kent M.
57. There once was a *dentist* from *Sweden*
Who came to the *garden of Eden*.
He built him a *cavity*;
Solution with *gravity*.
He pulled out the *tooth* from the *maiden*.
58. Oh, Hägar, he strapped on his *shield*.
And never, yet would not he *yield*.
But silly this was *his*
For really the fact is
Electromagnetic the *field*.
59. We've learned about EMP topology
And studied grounding theology
But because of the drinking
We couldn't help thinking
It really looked more like biology.
60. There was a book all about **EMP**
by a fellow named **LEE**
it used to be **red**
but then he **said**
that white it should be

61. Operator information
 give me EMP-comprehension
 an EMP down the line
 will make your IC's shine
 and give you some sensation.
 Kent M.

Hebrew Limorick # 1

הכנת עמיתים עמ
 עמיתים עמ עמ עמ
 עמ עמ עמ עמ עמ
 עמ עמ עמ עמ עמ

אנשים מפתחים אלו עמ עמ עמ!

אנשים עמ

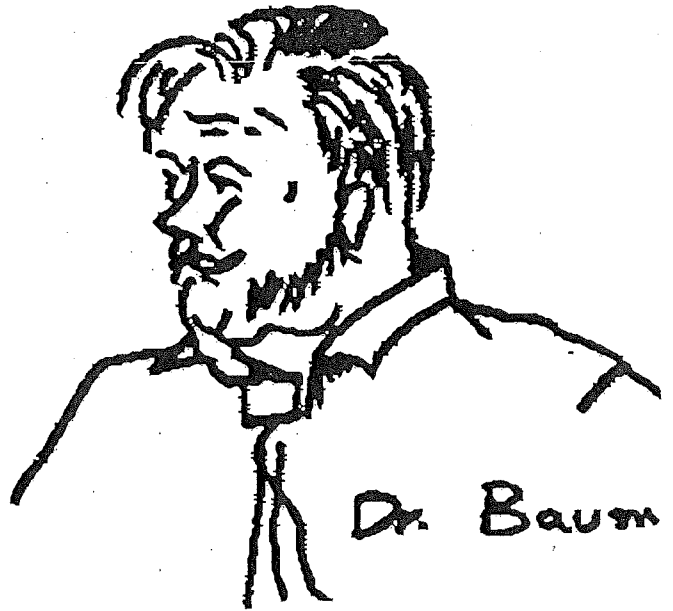
אנשים עמ עמ עמ עמ עמ
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 עמ עמ עמ עמ עמ עמ עמ

פיר נאמז אלכס אהאל
ואג נעום באצויכס אהאל
אלף אלף הענין בהי דד אלם
באו הנדושים ולבי אלום
דד אוקר E.M.P. בעצום העאל

ערס פיה אלום
אלג בא אפרום
נכנס ויצא לבי ערסן
אפתאגא קאלואג סטן
דד אלג אלום הנגבי ואלום



- "Have Rick"



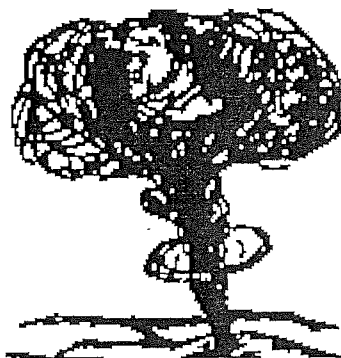
- "Must Lime"

EMP Limerick Notes

Note 1-s1.

Supplement number 1,
February 1989.

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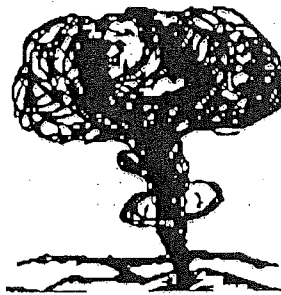
110. We went one week to Yxnerum,
spent the evenings drinking rum.
By the time becoming confused
— all we did was refused,
but we learned to spell Carl Bum.

EMP Limerick Notes

Note 2.

Sept 1988

Limerick Interaction in Ann Arbor



Principles, Techniques, and Reference Data
A Complete Concatenation
of Limerick Technology
from the EMP 201 Courses.

Torbjörn Karlsson, Editor.

Abstract:

From Carl:

Here, Torbjörn, is for your collection
The Limerick story's next section.
The students worked harder.
Success in Ann Arbor
We know this is your predilection.

'Twill be sad when that great ship goes down

Refrain (for verses 1- 4):

**Oh it was sad! It was sad!
Oh it was sad! It was sad!
It was sad when that great ship went down.**

*(1st time end on dominant harmony.
Repeat - end on tonic harmony.)*

Refrain (for verses 5,6):

**Oh 'twill be sad! 'Twill be sad!
Oh 'twill be sad! 'Twill be sad!
'Twill be sad when that great ship goes down.**

1. It happened before. The Titanic left England's shore,
Outfitted with tailored hardening.
Husbands and wives, little children lost their lives.
It was sad when that great ship went down.
2. Talking to Queen, EMC came on the scene.
Exocet then came from out of blue!
The Sheffield, she sank. We have EMC to thank!
It was sad when that great ship went down.
3. An airplane, she flew, one fine day in the blue.
Radio Free Europe came on line.
Tornado she crashed, her electronics were trashed.
It was sad when that great ship went down.
4. A bird, it can fly; it can soar across the sky.
A helicopter, that's another thing.
The Blackhawks, they fell. Interference they did tell.
It was sad when that great ship went down.
5. From Andrews away! EMP is on the way!
President has just received the news!
You have heard it all before. You may hear it even more.
'Twill be sad when that great ship goes down.
6. Band-aids they make, but they just procrastinate.
Topology must always be complete!
Oh you silly little men, leave an opening again.
'Twill be sad when that great ship goes down.

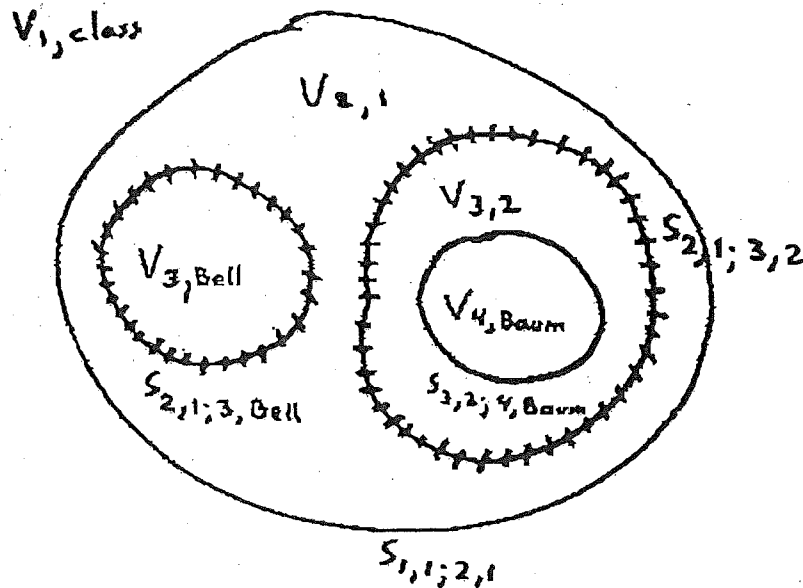
1988 — EMP SHORT COURSE 201 - 88
ANN-ARBOR MICHIGAN

62. WE ARE HERE FOR 201-88
ENTER THE EMP KNOWLEDGE GATE
FROM THE PREDICTION OF FERMI
WHO COULD NOT ESTIMATE **B** AND **E**
TO THE BEST COURSE TO THIS DATE !
63. ENERGY FROM A MAGNETRON VANE
AIMED AT OUR AIRPLANE
IT FLOWS TRU A WAVEGUIDE
APPEARS ON THE OTHER SIDE
EMP DRIVES US INSANE !
64. A 201 STUDENT GOT A PROBLEM SET
HE CHOSE ONE WITH A SHIELDING NET
HE SOLVED FOR THE BRAID
GOT A GOOD GRADE
HE IS NOW AN EMP EXPERT, I BET !
65. THE LECTURERS DID NOT ARRIVE IN ADVANCE
WE ARE STILL WAITING FOR ED VANCE
IF HE IS NOT ON TIME
HE WILL PAY A FINE
AND WE WON'T GIVE HIM ANOTHER CHANCE

66. The Baum shelter.

We built a topological shell
 To shield us from Dr Baum's bell
 but I'm sorry to say
 there's no lecture today
 It kept Dr Baum out as well.

DHH



67. Ask not for whom is the toll of the bell
 For now its your turn to face perdition and hell
 While you give your solution
 The audience enjoys persecution
 Out the backdoor now is the only way to fare well.

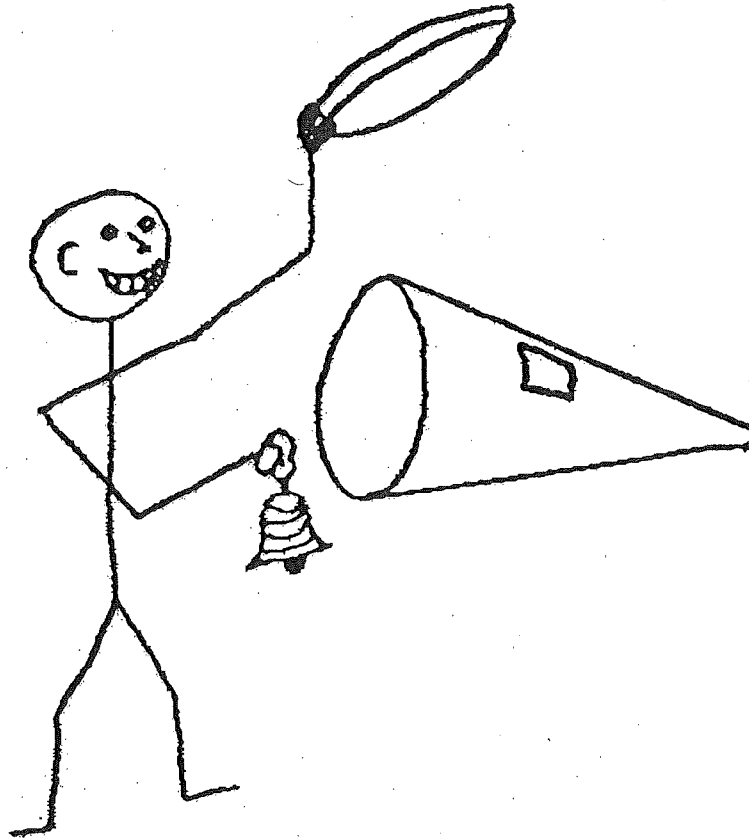
To whoever in group B takes #4.

Ann Arbor
 EMP 201-88

68. When Dr. Baum found out, he was askance
There would be no lecture by Dr. Vance
His plane was delayed
No arrival was made
Instead, Joe performed a good song-and-dance.

69. **To Russia with Love.**

As I hardened it against EMP
I popped the lid of an RV
I said, "What the hell"
and stuck in Carl's bell
It's "a gift" to the Russians from me!



DHA

70.

$\|f(t)\|$ aabba

Introducing the Limerick-or L-norm,
Invented during a lightning storm
Denoted "aabba",
It's 1 if the rhyme's OK,
And bounded by the fudge factor: "FORM"

EMP-201
'88'
ANN ARBOR

71. The Multiple Moebius Loop
Is filled up with SF₆ goop
It stops all the arcing
And all of the sparking
So B fields will jump trough the hoop.

DHH

72. We stayed in the 'Norm' Baits motel
The air conditioning was swell
The showers saw no knives
We were dreaming of our wives
And the wakeup bell was Carl's bell

—Anon EMP 201-88
Ann Arbor
(CL,CZ)

73. WE LEARN PROTECTION FROM MICROVAVE
IT MAKES US FEEL SO BRAVE
BUT THE MATERIAL IS FISSILE
IT WILL HIT THE MISSILE
AND WE ARE ALL GOING BACK TO THE CAVE !

74. AN ENGINEER WITH A CAVITY
WENT TO THE DENTIST TO KEEP SANITY
TO THE HYGIENIST HE WAS COUPLED
HIS ANTENNA DOUBLED
TOGETHER THEY WERE PULLED BY GRAVITY.
75. WE HAVE A LIMERICK COLLECTION
CARL IS BRINGING TO PERFECTION
YOU ARE ALL CREATIVE
AND TO BE EFFECTIVE
WE EXPECT YOU TO CONTRIBUTE A SECTION !
76. WE LEARNT ABOUT LIGHTNING
IT AIN'T SO FRIGHTNING
THE COURSE IS OVER
WE'RE NOT SOBER
THE WEEK WAS VERY ENLIGHTNING!
77. ELECTRONS MOVING AT THE SPEED OF LIGHT
INTERACTING AT 30 KM HEIGHT
IF YOU HAVE NOT ANALYZED
YOU MAY BE PARALYZED
AND WON'T BE ABLE TO FIGHT.
78. AN ENGINEER FROM HONEYWELL
LOOKED AT THE EQUATIONS OF MAXWELL
THEY WERE IN INTEGRAL FORM
HE RAN TO THE DORM
AND DIDN'T EVEN SAY FAREWELL.
79. 'Twas a mighty ship, the Titanic,
To sail past icebergs in the Atlantic.
The engineers pondering
Wanted tailored hardening.
A gigantic panic, most frantic.

80. Paraphrased from Don Witton.

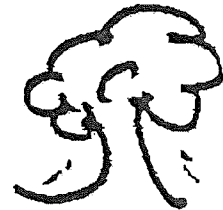
To Warsaw we flew out of Spain.
To Crakow we went once again.
The plane oscillated.
The Captain requested
All poles to the left in the plane.

81. The songs and the booze and the bells are all done.
The knights have insured that the battle was won.
The king held his sport
And humbled his court
And to leave EMP's Ivory Towers is fun.

*The Limerick champs
DH and BN*

82. A Mad Hatter's EMP party we had
As a going away for the grade
With pigtailed and plumes
and mushrooms in bloom
And Carl thinking he's been had.

DHH



83. VIVA IL VINO SPU MEGGIANTE
NEL BICCHIERE SCINTILLANTE
DI GIORNO SI RISOLVONO DIFFICILI PROBLEMI
ESI STUDIANO PROFONDE QUESTIONI
HA DI SERA SI FA UNA FESTA DIVERTENTE

84. At 7 a.m. we all hear the ring
and swear that we'll steal that damn thing
maybe remove the clapper
or drop the bell in the crapper
What's the use? It's saturday morning!

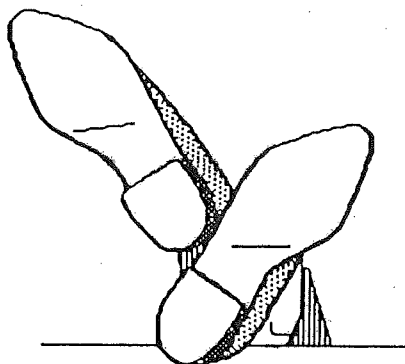
85. For a week we all study EMP
and all its interactions we'll definitely see
Soon we're all out of fokus
and its all hocus-pocus
but you can fake it if you have a degree!

86. A hearty troupe went to Michigan
only to find, in EMP, they were to begin again
When supermatrices arrived
They all contrived
To exercise their mathematical acumen.
87. From various places of engineering
Came students who were EM-fearing
But in just one week's time
They learned how to rhyme
And fix systems with EMP interfering.
EMP 201-88
Ann Arbor
88. To Ann Arbor, I came to spend seven days
With EMP, I was truly in a haze
The course offered the best
But to rhyme was the test
I guess it's obvious that I was a failure.
89. When it comes to reviewing topology
I must issue a quiet apology
Though I'm not nearly dead
It's all way over my head
Just as if we had studied neurology.
EMP 201-88
Ann Arbor
90. Ideas like this, students always fear 'em
Butt all academicians cheer 'em
We've redefined BUTT
and it ain't about smutt
It's Baum's Universal Topology Theorem.
91. There once was a man from NM
Who needed to have a BM
The knob did he turn
But, alas he did learn
that throne entry was blocked this PM.
Michigan-88

92. Joining the great order of the bell
is the scientist from Israel
his fantastic poems
have found their homes
In the hearts of Carl Baum's clientele.
93. TWIXT YUCCAS AND THISTLES
I'LL WATCH GUIDED MISSILES
WHILE FBI AGENTS WATCH ME
WHILE TOM LEHER KEEPS SINGING
I'LL PREFER CALCULATING
THE COUPLING OF NEMP
EMP 201-88
94. As I sat here late last night,
I thought the ring was from my wife;
But voice was strange and of furry,
As I noted it was of hurry.
95. There are two Polish gaurds near the axis
Who provide EMP prophylaxis
Since they use SEM
to discern foe or friend
We'll be safe when a transient attacks us.
96. Nuclear EM effects are swell
though not as clear as Carl's bell.
But, the paychecks keep coming
for those who are chummy
with the equations of James Clerk Maxwell
APT
EMP-201-88
97. There once was a young man named Davey
Who used EMP for his gravy
They canceled his job
Cause some unruly mob
Decided to pick on the Navy.

98. IN DAYS OF OLD WHEN KNIGHTS WERE BOLD
I'M SURE YOU'VE ALL HEARD ~~THIS~~ ONE
NOW WE'VE ADDED
A NEW TWIST
IT'S E.F.VANCE'S WISDOM !
99. A BOEING JET BOUND FOR OAHU
BLEW IT'S TOP THOUGH IT WASN'T DESIGNED TO
JUST BETWEEN ME AND YOU
(AND UNUSUAL IT'S TRUE)
EMP WASN'T BLAMED FOR THE BOO-BOO
100. A YOUNG MAN WITH PLANS QUITE INSCRUTABLE
WAS SEEN TWEAKING SOMETHING INFERNAL
WHAT CAUSED IT FO FUSE
NOW CAN ONLY BE MUSED...
NOW HE'S FOUND A NEW HOME QUITE ETHEREAL
101. Sixteen came with anticipation
to study transient event generation.
From Carl they did learn
that microwaves burn.
That's the EMP theory transisition.
EMP-201-88
ANN ARBOR
102. A young engineer wanted to know what EMP meant,
so off to Baum's famous short course he went.
Much to his delight
when on the first night
he learned it is the first three lettres of employment.
103. *"Monday Morning"*
The morning brought a very long class
and the afternoon seemed forever to last
but with a cool gin and tonic
the evening became supersonic
and the problems were solved really quite fast.

104. Playing the piano, he's grand,
Carl has such a musical hand.
His trombone's topology
matched his smooth personality
And only his belling is now panned.
105. Baumer had a little shield
It's hardness was world renowned
Cause, every surge that Baumer met
the shield was sure to ground.
106. Giri and Taylor and Shiloh
Met Liepa and Vance and Castillo
They gave us their best
And we passed the test
While Baum drank up gin by the kilo.
DHH
107. WHILE LOST IN MATRICES TANGALIZED
BECAUSE THE ELEMENTS WERE AGONIZED
THE PATH WELL CHOSEN WAS STEEPEST
AND THE CONTOURS BECOME STEEPEST
WHEN THE BAUMEISTER BECAME DIAGONALIZED.
108. There was a young Captain named Carl,
who couldn't just rest on his laurel(s),
He started the notes,
And counted the votes,
And ended the EMP quarrel.
109. A GAGGLE OF FEISTY IRANIANS
ALL BOARDED A JET QUITE UN-ARYAN
THEIR POLE-PATTERN LOADING
QUITE PROVED THEIR UNDOING,
NOW DEEP IN THE GULF THEY'RE AQUARIANS

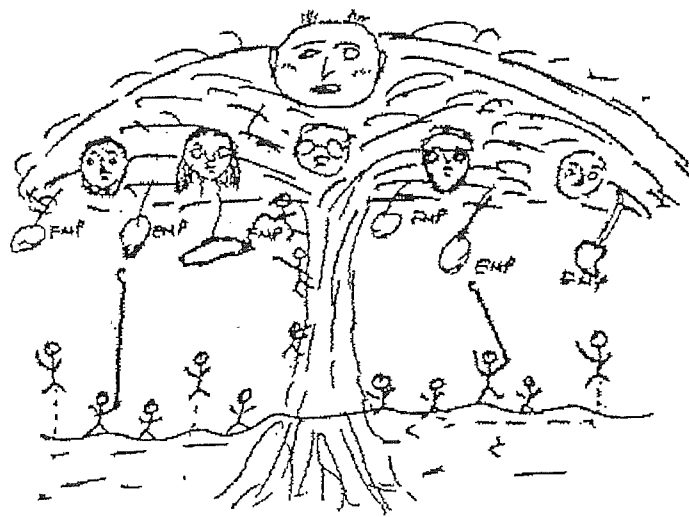


EMP Limerick Notes

Note 3.

Sept 1989

Limerick Interaction in Bangalore



Shanla & Bhandal.

Principles, Techniques, and Reference Data
A Complete Concatenation
of Limerick Technology
from the EMP 201 Courses.

Torbjörn Karlsson, Editor.

111. Giri returned to Almamater to renew relation
Cinzia was ever engrossed in solving equation
Joe and Vance created an EMP vibration
Karlsson compiled EMP limmerick interaction
Carl in inimitable characteristic style created sensation.
Deepak A.
112. We aren't scared of lightening
Carl's bomb is not frightening
we crave in quest of EMP engineering
we brave the faculty grinding
we love the ultimate enlightening.
Deepak A.
113. The end of course brings relief from bell
EMP 201 really made us all swell
all of us filled up with knowledge hearty
we all now end up in a party
namaste, auf wiedersehn, ciao and we wish all well.
Deepak A.
114. The enthusiastic students came minus their hat
to learn EMP from Summa faculty and Carl the fat
they found the going tough
they had to wade through the rough
and they ended up on the mat.
Deepak A.
115. The first EMP course in east
brought students from east and middle east
the international faculty came from all over to relish
they all end up with sweet memoirs to cherish
course getting over today to have a feast.
Deepak A.
116. There was a guy from navy
who went to learn EMP gravy
very soon it dawned on his learning
sailing ships better than EMP countering
back he went to drive the hardened navy.
Deepak A.
117. EMP hardening and interaction – the 8th way
from 83 to 89 making hay
from Soccoro to Bangalore in vain
transperencies remaining same
we wish them the best till dooms day.
Deepak A Aujla.

118. Thank God the course finished
EMP told and enlightened
coupling propagation penetration et all
not to miss topology interaction and all
at last to recuperate, Carl secured.
Deepak A.
119. I came to learn EMP well
but Baum rang the Bell
you should learn Limerick
but also learn music
not only that well.
Said.
120. In Warsaw there lived once a Pole
solving Electromagnetics was his life's goal
When under an SEM rain
on the left of the Im plain
To singularity expansion he sold his soul.
H.G.
121. A young Pole
born in a Black Hole
worked without rest
performed a test
and discovered a magnetic monopole.
H.G.
122. There was a guy from over the sea
who came to India to study EMP
but after a few days on the road
he was under such pressure and load
he had to start the course with whisky and tea.
H.G.
123. A man by the name of Kishore
from the town of Bangalore
kept his bell day and night
all the time within his sight
till they could be separated no more.
H.G.
124. Once upon a time there was a horse
who decided to take the EMP course
after being exposed to time and frq domain
calculating again and again and again
he could calculate currents from source.
H.G.

125. A young Prince, about five years old
who lived on a topological manifold
wanted about princesses and fairies to hear
on his star, homeomorphic to a sphere
but only stories about layers and shields was he told.

H.G.

126. Topological Kugelspheres
full of beer(s)
to drink at daylight
to drink at night
EMP then disappears.

H.G.

127. Oh! EMP short course!
It's really intense of course!
Know not where it's leading!
As I'm getting confusing!
Oh! EMP short course!

Kishor's!

128. Tell
Hell!
Sing
Ring!
Bell!

Haim.

129. The lunch is always late
That is what we all hate
Carl goes crazy
Guys go lazy
But it is of everybody's taste?

Joy.

130. Carl his name
Of EMP fame
With a turban he looks a Maharaja
Indeed he is EMP's raja
Carl his name.

Joy.

131. And now we all with jubilation
came to bangalore to hear on radiation
but cohen Baum exploted the question bomb
guys went dumb
EMP-201 is no recreation.

Joy.

132. An Astronaut on starship Esquire
with grounding as his highest desire
until he found
that shield was ground
he tried to reach Earth with a wire.
T.K.
133. Frightening waves of EMP
Incident from the Indian Sea
Induced in Bangalore
Some ~~WAVES~~ in Kishor
And so the BELL was leaping like a flea.
T.K.
134. A shielded cable long and slender
carries a message with greetings so tender
mismatched connections
caused total reflections
which made the message return to sender.
T.K.
135. GENERALIZED SHIELD.
A general fighting on a battlement field
carrying a non-closed **general^{xxx}** shield
he forgot in his mind
to defend his behind
ignoring the *generalized shield* he must yield.
T.K.
136. A Lightning Expert from Bombay
Suggested Grounding the proper Way
He Dugged a hole
For a Golden pole
Since then He is Staying in the Clay.
T.K.
137. A Boy From Bangalore
An Echo Temple was to Explore
He Howled Here
He Roared There
For SEM was His Chanson d'Amore.
T.K.
138. Before the students each know more,
Let each among them have the core.
Assignments due!
So how are you?
The course has come to Bangalore!

139. Limerick Topology.

First line is just introduction
the next one supplies interaction.
The second layer opens in the third line
and is almost immediately closed – fine!
The fifth line concludes the transaction.

T.K.

140. Waiting for Kishor
to open the door
first lecture
on EMP nature
we want more!

J.S.

141. Physics of lightning
is so enlightning
few megavolts
in few bolts
Boy, is that freigtning!

J.S.

142. External interaction
is only a small fraction
of theory of fields
from high yields
yet, it's a great invention.

J.S.

143. Out of beer
Oh, my dear
Still sober
Day is over
Have no fear.

J.S.

144. REAR
GEAR!
MISS
BLISS
STEER!

145. MERE
FEAR
IS
HIS
CHEER.

146. A young russion officer
decided to build a canister
of EM radiation
that kills instrumentation
balance of power is better!
J.S.
147. We all sit and wait
for someone to open the gate
to EMP knowledge
and high voltage
so that we control our fate.
J.S.
148. A guy named Dave
was really brave
he came to India
away from media
to invent H.P Microwave.
J.S.
149. We gather here in Bangalore
on EMP – to learn more
GTD and SEM
appear on the exam
Oh, EMP theory we adore!
J.S.
150. At lunch we eat nan
On the street of Raman
He was an expert in vignana
Unlike us who have agnana
Jai Jawan, Jai kisan.
J.S.
Translation:
vignana = science
agnana = ignorance
Jai jawan, Jai kisan = hail to the soldier, hail to the farmer.
151. EMP-201-90.
A guy with a hangover
On the way to Dover
To learn the source
of the EMP course
Decided to leap over!
J.S.
152. A guy from east block
designed a special lock
the warhead will detonate
not too late
there will be no heat or shock.
J.S.

153. It all starts with fusion
which creates confusion
Extreme dose rate
on an unknown date
Will prove it is not an illusion.
J.S.
154. There once was a dictator
who wanted his own reactor
he used trigatrons
to generate electrons
It became an EMP simulator!
J.S.
155. We are here using our grain
to study interaction with a plane
Please take a look
in the orange book
It will not be in vain.
J.S.
156. A lonely electron
inside a magnetron
wanted to dance
There was no chance
he followed the motion of a cyclotron.
J.S.
157. Topology of the Lance
was studied by Vance
the shield
didn't yield
EMP stands no chance!
J.S.
158. DEAR
BEER!
IS
THIS
HERE?
- CEB
159. As the birds and the wolves together
of St.Francis to the word they gather
so the monkeys on the window ledge
of EMP don't resist the pledge
"What is this?" they begin to wonder
as the theory is set forth to ponder.
C.Z.

160. We all come at the sound of bell
For more on EMP to tell
Sounds – shields – penetration
This is the sequence of interaction
By now you all understand well!
C.Z.
161. There were a bunch of guys from Bangalore
who knew everything about Tagore
They came to hear Carl's poem
"Supermatrices and topology theorem"
and all ran away to Mangalore.
C.Z
162. There was a colonel from ERDE
who was talking integrals while sipping his tea
To locate the poles in the complex plane
he really needed to sketch his brain
because his kernel did not agree.
C.Z.
163. Struck by lightning
his equipment malfunctioning
back to the room
sorrow and gloom
the photographer is not arriving!
C.Z.
164. A Swede by the name of Torbjörn
was calculating a p-norm
but come coffee break
with cookies to take
and after he felt like reborn.
C.Z.
165. A guy by the name of Ed Vance
prepared his lecture in advance
"The ground" does he say
"is connected this way"
and we understand all at once.
C.Z.
166. Once upon a time a di-pole
who was standing by a small hole
was invested by radiation
and since he had no protection
what was left was a a bigger hole.
C.Z.
167. HIT
SHIT
SEM
TEM
LIT.

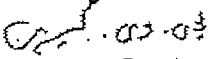
168. We are here using our brain
to study interaction with a plane
please take a look
in the orange book
it will not be in vain.
J.S.

169. India is building an LCA
Nag's work supporting it AAA
Deb is assembling an EMPire
Insuring, it does'nt go hay Wire
Await, we all for the "flight" Day!

י'ג'ע (Hebrew)
Giri

170. It's eight fifteen, oh where is Kishore?
Alas, oh where, for now we're Key poor.
Runner now goes out perched on wheels.
Nagaraj has met our appeals,
And now at last we here are Key sure.

171. EMP starts with a BANG
"Interaction", the faculty SANG
One expects eager students GALORE
As we Gather in what was once MYSORE
We Form The EMP GANG.

(Arabic) 
(Kannada) ಬ. ಬ. ಆ
(Hindi) ब. ब. आ

172. We are gentlemen from the west
and its granted we know the best
of topological cell,
graph theory as well
we enthusiastically divest.
ED.

To be sung by the male staff (with Cinzia as choral director) to the tune of
"we are gentlemen from Japan" G & S "Mikado"

173. The curl of E is B Dot
The curl of H is D dot
With a Minus sign in one Above!
If You Need Something More,
Get Aboard the EMP Boat.
D. Giri.

174. Kishor's bell tolls for Everyone
 Seth's Limerick Worthy of Mention
 Watch out! Neighbor Pak,
 Here Comes our Deepak
 Armed with EMP 201.

D. Giri.

299 792 500 entry number ~ 30 crore

Theme 175. SHORTEST LIMERICK EVER

Gee
 Lee
 See

→
 E

→
 B!

J.S.

Variations

d

φ

C

E

B!

Gee

Lee

C

E

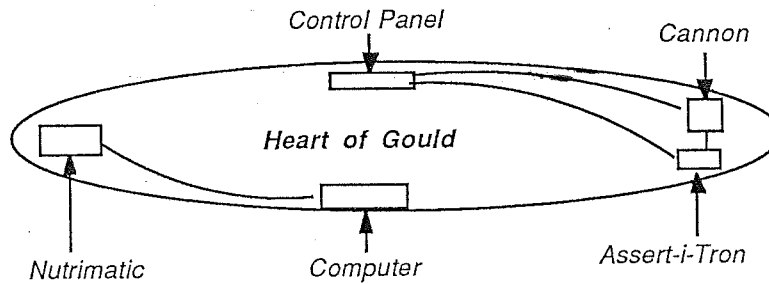
B!

Dedicated to
 K. Lee and C.E.B.

176. E
 B
 GI
 RI
 SEE

177. If your wires of paralle plate
 create a wave form you hate
 what to require?
 Put a chicken wire.
 It is not too late.
 Haim Ganzer.

Extra Cavity Assignment



The starship *Heart of gold* has the shape of an oblate spheroid. In the front are installed a *30 Megahurt Definit-Kil Photrazon Cannon* and a *Sub-Cyclic Normality Assert-i-Tron*, both of which capable of producing EMP pulses.

In the rear of the starship drinks are provided by the *Nutri-Matic Drinks Synthesizer*. The synthesizer, which invariably produces a plastic cup filled with liquid which is almost, but not quite, entirely unlike tea, is controlled by the *shipboard computer* from *Sirius Cybernetics Corporation*. The computer is placed close to the right edge of the starship.

In front of the *control panel*, located along the left edge, Captain Prostetnic Vogun Jeltz of the Galactic Hyperspace Planning Council fires the *30 Megahurt Definit-Kil-Photrazon*. In the very same moment the *computer* boggled, linked logic circuits with the *Nutri-Matic* and together they lapsed into a grim silence.

⇒ Explain why the *computer* was upset and suggest EMP protection measures to avoid this in the future!

Hint: In the interior of the starship all dissipative elements inclusive of the captain are carefully covered by copper foil.