

Advantages include:AIEE
DIV/TC

- 1 - Serves most broadly and completely the overall professional needs of the engineer. Stresses entire field of service; something to benefit every electrical engineer, no matter what his field or specialty. Serves entire profession fully and well. (IRE members not yet felt such needs as strongly as more stabilized engineering fields, but may in the future.) (Pat Haggerty says only about 50% members in PGs - Cleveland 9/10/62.)
- 2 - Cohesive - unified whole eases communication and cooperation among the profession.
- 3 - Flexible; can explore any frontier or emerging technologies by SC of experts.
- 4 - Easy to establish effective liaison at authoritative level.
- 5 - Easy to channel problem to right area and get authoritative hearing.
- 6 - Few "cracks" through which problems can get lost.
- 7 - Uniform review procedures for Transactions Papers for Bimonthlies.
- 8 - Unified annual society Transactions.

Disadvantages include:B/Johnson-
File

- 1 - No identifiable following for each area.
- 2 - General membership lack feeling of "belonging" to national technical activity.
- 3 - Rigid organization is cumbersome at times.
- 4 - Publications under centralized control and coverage by Division Bi-monthlies.

Advantages include:

IRE
PGs

- 1 - Identifiable membership known to be interested in a certain field. Excellent vehicle to handle problem falling in a defined scope.
- 2 - Any member may participate directly by simply signing up with PG.
- 3 - Spontaneous "enthusiasm" for involvement gives sound foundation for activity.
- 4 - Flexible, fast moving, can be organized promptly for sizeable area of interest.
- 5 - Own publication - prime factor in starting PGs was delay in publication in IRE Proceedings -- backlog 2-3 years time 1st PG started. Easier for member's paper to be presented and published while reasonably current.

Disadvantages include:

- 1 - Difficult to get formal consideration of across-the-Board problem unless it fits into one or more established PGs.
- 2 - PGs make communication and cooperation difficult among the profession.
- 3 - Extreme flexibility of PG Transactions probably too great for own ultimate best good.

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- 2 - Cohesive - unified whole eases communication and cooperation among the profession; *maintains fairly uniform standards of procedures and performance*
- 3 - Flexible; can explore any frontier or emerging technologies *by SC of experts, by concerned Ch simply appointing a sub-com of experts*
- 4 - Easy to establish effective liaison at authoritative level.
- 5 - Easy to channel problem to right area and get authoritative hearing.
- 6 - Few "cracks" through which problems can get lost.
- 7 - Uniform review procedures for Transactions Papers for Bimonthlies, *which perhaps enhances in a group of related technical areas*
- 8 - Unified annual society Transactions.
- 9 - Each Transaction Paper published with discussion and closure, as available.
- 10 - Review ^{of papers} is by best ^{selected} experts in the particular field, with entire membership available to chose from.
- 11 - Forum for TC chairman ^{appts} ~~is~~ powerful influence and enables any individual to speak his mind on any ^{technical} ~~technical~~ matter ^{organizational}

Disadvantages include:

- 1 - No identifiable following for each area.
- 2 - General membership lack feeling of "belonging" *and participation* to national technical activity.
- 3 - Rigid organization is cumbersome at times.
- 4 - Publications under centralized control and coverage by Division Bi-monthlies.
- 5 - *Has no bank account of own (may request funds for purpose be included in overall budget)*
- 6 - Membership *is an TC is limited by size to do the job* ^{by appointment and}
- 7 - Has no funds of its own
- 8 - Publication of formal paper without presentation ^{is an exception}
- 9 - Upper limit of publication of TPs is set by Publication Budget outside the jurisdiction of the TCs
- 12 - Profusion of jobs at national level

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