With the development of the SE program we trust we have the apportantly to write the last obapter in a rich and storied soga of smellows control — In a sense portupes, it is in an extending back pertaps 2000 years — when raviolatin was practiced in India + Chain dungministe mapor is a various which was almost a century ild when Pastew announced that a vaccine which was almost a century ild when Pastew announced his rabus vaccine. And, in fact, I should note the as a knowled a plague not more than a few hundred meters, from this building situated at the sets where radionaline was first performed in Switzerland — in 1799.

Then are shirt open forther it posters of a technical sort opening of the way of the protection of many solutions of the protection of the

"Our generation has no excuse to offer future generations if we continue to permit half of the human race to suffer from smallpox while we attempt to defend ourselves with costly and inefficient quarantine and vaccination certificates."

"The selling has been done, the tools are available, support has been assured; the programme is already well-advanced. The only question is whether our national and international administrative agencies can measure up to the challenge."

EXPAND - many countries, applicated vaccine used - one country - Arg.

Stability is pil.

other countries - from disord vaccine used - one country but fewer laby of grantens

Many countries - doing enough vac. now - E adeg. vaccine would eliment by des

To chinesses, smallpox, let alove smallpox evadication, in a group so worldby health wise as this would seem a hit presumptions for I ventrue to say there are few who would not qualify themselves in the category as height least intelligently knowledgable of the subject if not amateur expects, at least expect amateurs. For after all, every one has been vaccinated one or more times (at least I'll prosecure so altho I'll not provide the point further) (and what is smallpox evadication to the soull post the soull post and the soull post and what is smallpox evadication. after all but simply vaccinating a population until the dis sar disappears. In fact, approved in which I'm sure is to a minimion common denomination of un industrisling, is reasonably correct. No need to graple with mosquitoes with Latin names Problems I vaccines with may or may not be effective. Mysterius disservoirs propos discen. I should like therefore, to stard away from the problem just about to explore the mostly problem of smallpox in poor pecting and to say "Why smallpox condication"; to explore certain of the tradical problem is the logistical ansidoration; to explore certain of the tradical problem is the logistical ansidoration; the tradical problem is the logistical ansidoration; the tradical with the residence of the tradical problem in the property of the undereported but assuming this to be a balfor to quarter or a touth of all cases, the There is in feet, in array country to be world some from of smallfox control No other vaccine and, in fact, no other proventive health measure is so widely or With smallprinter someto as it is, tandany to forget the implication which the disease corrisos. Disease dependent only on puryon to purson oprosed - its his trically and potentially every population is possible population. Unone. - variola major - mobality 40%. Asserved this India - by putter adears not adequate & trast all. 1902 - V.K. 1963 - Sweden. Retartal I the discase is not forgotton -Recent intro legenstry - In I case - 50 000 accented ore 100 isketed. Admittedly a hit rigorous

and not help reflect in USA, the irony of orecenting 216 ×10 /yr. for a disense in which last care dx 17 yrs. ago. Easin - Learn cares only reported - based on a few of the des our - none today which any where Endomic mallpox today - comparatively limited goographically to spread + mortality. Brazil + some in bordering areas Africa below the Jahan Deshaps a touch in Burne in survey wire any species.

Other side of coin - N. + C America, Ferrye, North Africa, Middle Eastern contintos, and astrally many cress in # Atia (Noven, Japan, China, F.L., Viotnam, Loss, Cambodin, Thirland, otc.) Dur program Legins Our problem simply - to keep the discuse from reinfesting there was while the vacanità Solly x is que The arguing this is immutted to two cradication programs - unlaria and troubless.

While in the surface, it would appear of that a discase is a discase and coadication is cradication, the order of protection of walaria wadication and proulless cradication are totally discussifier.

The truthis necessary for cradication are different and the protects for success.

I. Smallpox - trans mutted only man - to - man - must keep to transmission cycle 2. Andividual infected - capable of transmitting in fection for 2-3 weeks at the wast.

At the wel of this kine, immune a tout more immune than of vaccinited for Magefeing romote collabol, difficult of acress villages are of compositively little concer. a todist Smallpox can not long persist in such losstrin.
3 Constitution Illustrated in fort, in aces such as famalia, when descare introduced, 4. Brysets. - bruns briefly and dies. the party A good vaccine which confers a substantial community for a long period. How substantial and how long. Need for revasceint in annually? Perhaps - for virtually 100 lo protection. Excen. of data - even worst personnetic grant of 80 % level it 10 years.

3. Do pase earty oceans in orbelin cal form - the seasonably reality delicated . When it does orseer in cardified form & difficult designoring -4. Spread is slow - 2 wk. inculstra juiced - normally v 3-5 persons infected from a given case. Oppurhunity for containment. Basic tacts is - Not go into all of the principles in rolled in development of the principles in rolled in the principles in rolled in the rolled in Increase immers to the point where transmission coases to occer. 1. Sutton's law -" mobile toan" 2. Syptomatic vaccintin with comproses in areas where spread is most likely - densely orcorded areas - major cities + maintain writing 3. Development of a surveillance system for only detation and containment. I shall not dwell on the and for integration of these activities with the goneral health survives and the singerstance of bealth admention to the program - They are implicit to the brain skeld on I have given. Findamental to any health program. When is the program today -South America - newing aggressively with programs articipated in overy country by Keard of 1967. Fire year tronget. I'm country on our last cases occurring in 2. Africa - Us Vilaboral assistance in 19 Work and Central Africa contrios. Programs begun wow in 15 - vowender by the close of 1967. Provided some Les E. Africa, plant of special strategies in longo known and Tangenia with programs Prospector Africa in more difficult to product - Pethiogia will be a problem - hope population, difficult transport. Fortraper wees may a may not keep pace; Evap kinstara is the adjust of the fresh when it is the free or communication is of free close for all the program in the part of the frequent of the program in the part of the frequent of the requisite - whether the will be requisited and the right as the best demanding the maxime in skill oursitary of the program in skill oursitary of the seasons in skill our start of the seasons in start of the seasons in skill our start of the seasons in sk punitor capability.

3. Asia - dealing with 5 countries Brilia, Pakistan, Majol Afghanistan Andrews
The last two I am optomestic about. Afghanistan has had a program
were the past 3 years and last interest yord programs. The population is comparatively
scattered and entact is a Aff Pakistan and Discounter more new across the border channeled. An inagent ive program Tormiste transmission in 20 at nost 3 years. Indonesia, assuming some chomest I stability for a few years would really do the jobs and has stown it can do so. In 1940, as a metter of fact, its discare in cid one had reached 'O'. A gilt program of 500, over from was hilliantly carried out in work from my lest year. India, Pakis tan and , to a much lesser extent Nopal regresent sol headaches. Judie concluding & 3 year plane - 500,000,000 Waccerations

Pales on templating vaccinating 13 of the population comments altho to more one was in commentally accounted for proposed in the course of the history finally a condication or control

Lear so many been vaccinated in such a short space of him with as little piecess

The so many been vaccinated in such a short space of him with as little piecess e.g. Dolhi 140% vaccinted & spidomies - gralatin should Programs in India with arressed over 3 years ago (Dr. Colfad Lefed as tableshed) and repeatedly since. Program ten as now criticized for

1) Incredibly complex and unworkable family registors system. Hosty propriate

2) Supervision which was uniformly pil. (Palaifictin freweds wasnot one originally in a pishing - wan par par. ne. - deid 3 yrs. before). 3) the of the rotany diel - wicked instrument. Condemned by the Expert No change Committee in hwallens + by doldin Advisory Groups. Similar criticions parted & Paleis fan and Apal At posent, the federal structure for the porgram, about to be dissolved trally and the program harded to the states. This has been close, in insign part already in morel states. The result is a starp increase in mullpox this your In some states, Heyror maybe the worst your a decade. I'm afraid art so difficult but suntar problem graniling the super.