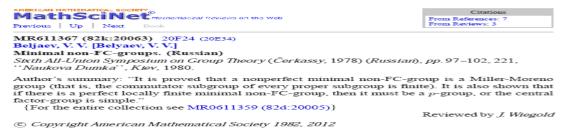
It is pleasure for me to give a talk in a conference dedicated to the *memories of two fine mathematicians Narain Gupta and James*Wiegold. I haven't met them, but I have a correspondence with James Wiegold, now I would like to mention about it this correspondence.
He played an impressive role in my academic life. I am deeply indebted to him. I will tell you why. Back in 1983 when I was a new graduate student in Ankara, TURKEY my supervisor wanted me to study various papers among which there was one written in Russian. In those times Russian was not an accessible language in Turkey and I could think of nothing else, but to go to the library, find the reviewer from Mathematical Reviews and write a letter to the reviewer saying that, since you reviewed the article you might have an English translation, if you have one, please send me a copy. The reviewer was James Wiegold and here is his reply. (Slayt)





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Department of Pure Mathematics Professor James Wiegold, Ph.D., D.Sc.

Dear Mr Kuzuchoslu, Thankyon for your letter of 11 Der 1973.

Here's the paper yes; wanted. I didn't have a translation but I've quickly contren one ont - I hope you find it useful. Evaning: I have not checked my translation.

James bregold

## V. V. Belyaet

## Minimal non-FC fronts

Following [1,2], we call a group with infinite derived group a Miller- Moreno group if the derived group of every proper subgroup is finite. The Miller-Moreno non-perfect groups were completely described in [17. It was proved [2] Het a locally finite Miller-Moieno group is not perfect. In that paper we obtained some properties of minimal non-FC grays - a natural generalization of Miller-Moreno groups. In particular, if there exists a minimal non-FC group G equal to G', then either G is 2-generator and E/Z(a) is simple, or else G is a locally finite group and, for any non-central or and y in G,  $|C_{G}(x):C_{G}(x)\cap C_{G}(y)|$  and  $|C_{G}(y):C_{G}(x)\cap C_{G}(y)|$ ari finite.

Here we extend the study of minimal non-FC fronts. It was proved thorganimal non-FC-group not equal to its derived group is a Miller-Moreno group (Theorem 1), and if there exists a locally finite nummed ma-FC group Gequal to E', then either E/ZG) is simple or G is a p-gp (Theranz).

§ 1 Minimal non-Figures that are not perfect

the we show that minimal non-perfect non-FC groups are enactly the Miller-Moreno groups described in [1]

LEMMA 1. An FC-group Econtaining an abelian introp of finite index that finite derived group. Proof Ler A be abchan and write  $G = \langle A, g_1, ..., g_n \rangle$ . Then

OC(gi) of A is of funti when and central.

LEMMA 2. If a minimal non-FC group & contains a proper subgroup of finite under, then G is different from G' and all proper subgroups have finite derived groups.

PROOF. Les G be menimal non-FC and K a/subjump of finite undex. Clearly H = {x & G | 1G: CG(x) | < 00 } is a normal suffering of G containing K. Thus IG: HICO. Suna & is not FC, G+H. Choose a & G.H. It <a, H> + F, Hen 1G: CG(Q) < 00, So Klas G EH. Thus (a, H)=G, and !. G' \ H. We shall show that (a) n H \ Z(G). Indeed, take X G (a) n H. Then Cq(X) contains a and has finite index in G. If CG(x) & G, Ken CG(x) to FC and so CG(a) has funde index in G, contradicting choice of a. Thus & e Z(G). We show that His abelian If H is not atchan, there is a g & H such that CH(9) # H. Since  $C_{H}(g)$  is of finite when in G,  $N := \bigcap_{\chi \in G} \chi^{-1}C_{H}(g)$ 

He says in the letter that "I hope it is useful". Indeed it was very useful. It was an opportunity for me together with R. Phillips, in 1989 we solved one of the questions stated in that paper; namely there exists no simple locally finite minimal non-FC-group.

After almost 30 years later, it is a nice feeling to share this wonderful incident with you, I thank the organizers for having given to me, this opportunity.

Mahmut Kuzucuoğlu