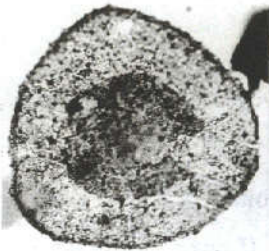
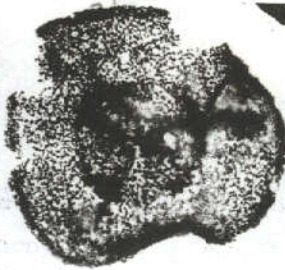


Plate 4

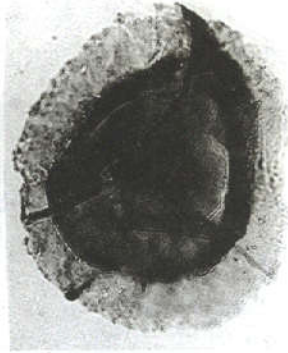
- Fig.1- *Calyptosporites proximocavatus* Balme, 1988 (Upper Devonian of Khoshyeilagh, Kuh-e-Ozom and Hassanakdar areas).
- Fig.2- *Calyptosporites stolidotus* Balme, 1988 (Upper Devonian of Hassanakdar area).
- Fig.3- *Calyptosporites velatus* (Eisenack) Richardson, 1962 (Devonian of Kuh-e-Faraghan).
- Fig.4- *Camarozonotriletes laevigatus* McGregor & Camfield 1982 (Upper Devonian of Kuh-e-Ozom).
- Fig.5- *Camarozonotriletes parvus* Owens, 1971 (Upper Devonian of Kuh-e-Ozom).
- Fig.6- *Crameria pharaonsis* Jardin et al., 1972 (Upper Devonian of Khoshyeilagh area).
- Fig.7- *Chomotriletes bistchoense* Staplin, 1961 (Upper Devonian of Kuh-e-Faraghan, Khoshyeilagh, Hassanakdar and Kuh-e-Ozom areas).
- Figs.8&9- *Chomotriletes vedugensis* Naumova, 1953 (Upper Devonian of Kuh-e-Faraghan, Khoshyeilagh, Hassanakdar and Kuh-e-Ozom areas).
- Fig.10- *Complexisporites polymorphus* Jizba, 1962 (Lower Permian of Kuh-e-Faraghan and Hassanakdar areas).
- Figs.11&12- *Coryphidium elegans* Cramer & Diez, 1974 (Lower Ordovician of Hassanakdar area).
- Fig.13- *Crassianguolata tessellita* Jardine et al., 1972 (Upper Devonian of Khoshyeilagh area).



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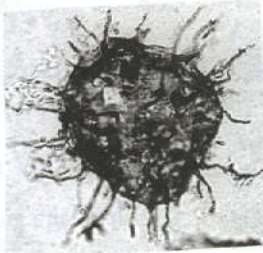
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Plate 5

- Fig.1- *Cyclogranisporites isosticus* Balme, 1988 (Upper Devonian of Khoshyeilagh and Hassanakdar areas).
- Fig.2- *Cyclogranisporites rotundus* Allen, 1965 (Upper Devonian of Kuh-e-Ozom).
- Fig.3- *Cymatiogalea cristata* (Downie) Rasul, 1974 (Lower Ordovician of Hassanakdar area).
- Fig.4- *Cymatiogalea cylindrata* Rasul, 1974 (Lower Ordovician of Hassanakdar).
- Fig.5- *Cymatiogalea diversita* Deunff, 1961 (Lower Ordovician of Hassanakdar area).
- Fig.6- *Cymatiogalea membranispina* Deunff, 1961 (Lower Ordovician of Hassanakdar area).
- Fig.7- *Cymatiosphaera cistulosa* Wicander & Loeblich Jr., 1977 (Upper Devonian of Khoshyeilagh area).
- Fig.8- *Cymatiosphaera craticula* Wicander & Loeblich Jr., 1977 (Upper Devonian of Kuh-e-Ozom).
- Fig.9- *Cymatiosphaera hermosa* Cramer & Diez, 1976 (Upper Devonian of Hassanakdar area).
- Fig.10- *Cymatiosphaera nebulosa* (Deunff) Deflandre, 1954 (Upper Devonian of Khoshyeilagh area).
- Fig.11- *Cymatiosphaera perimembrana* Staplin, 1961 (Upper Devonian of Kuh-e-Faraghan, Kuh-e-Ozom, Khoshyeilagh and Hassanakdar areas).
- Fig.12- *Cymatiosphaera platoloma* Wicander & Loeblich Jr., 1977 (Upper Devonian of Khoshyeilagh area).
- Fig.13- *Cymatiosphaera spicigera* Playford, 1981 (Upper Devonian of Kuh-e-Ozom)
- Fig.14- *Cymatiosphaera subtrita* Playford, 1981 (Upper Devonian of Kuh-e-Ozom).

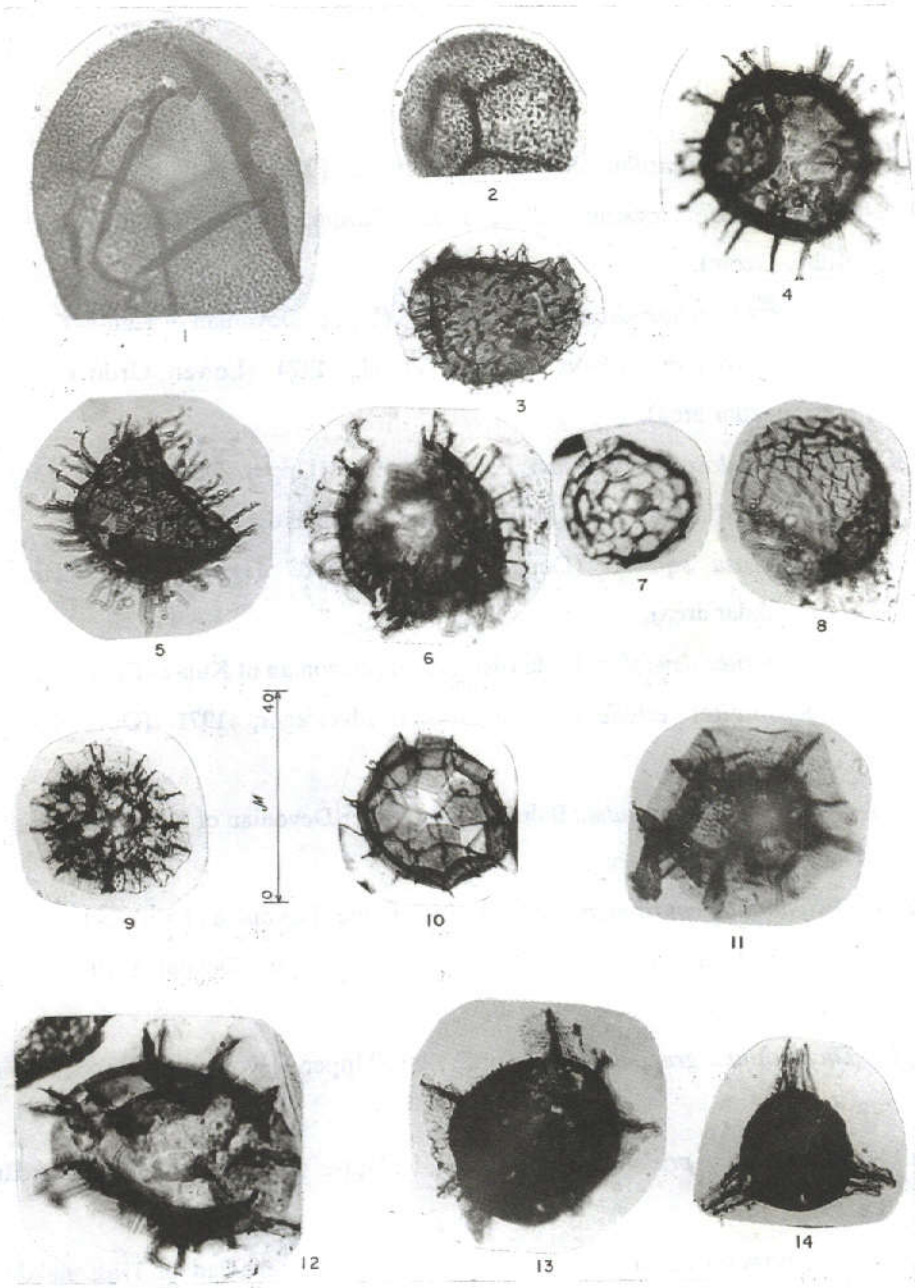


Plate 6

- Fig.1- *Cymbosporites catillus* Allen, 1965 (Devonian of Kuh-e- Faraghan).
- Fig.2- *Cymbosporites cyathus* Allen, 1965 (Devonian of Kuh-e-Faraghan and Kuh-e-Ozom).
- Fig.3- *Cymbosporites hormiscoides* Balme, 1988 (Upper Devonian of Kuh-e- Ozom).
- Fig.4- *Dasydiacrodium polarum* Jardine et al., 1974 (Lower Ordovician of Hassanakdar area).
- Figs.5&6 - *Deltotosoma intonsum* Playford, 1981 (Upper Devonian of Kuh-e-Faraghan , Kuh-e-Ozom, Khoshyeilagh & Hassanakdar areas).
- Fig.7- *Dactylofusa squama* (Deunff) Combaz, 1967 (Lower Ordovician of Hassanakdar area).
- Fig.8- *Densosporites devonicus* Richardson, 1960 (Devonian of Kuh-e- Faraghan).
- Fig.9- *Dibolisporites eifeliensis* (Lanning) McGregor, 1971 (Devonian of Kuh-e-Faraghan).
- Fig.10- *Dibolisporites turriculata* Balme, 1988 (Upper Devonian of Khoshyeilagh and Hassanakdar areas).
- Fig.11- *Dictyotidium confragum* Playford, 1981 (Upper Devonian of Kuh-e- Ozom).
- Fig.12- *Dictyotidium granulatum* Playford, 1981 (Upper Devonian of Kuh-e-Faraghan).
- Fig.13- *Dictyotidium granulatum* Playford, 1981 (Upper Devonian of Hassanakdar area).
- Fig.14- *Dictyotidium prolatum* Playford, 1981 (Upper Devonian of Hassanakdar area).
- Fig.15- *Dictyotriletes sphaericus* Kimyai, 1979 (Upper Devonian of Hassanakdar area).

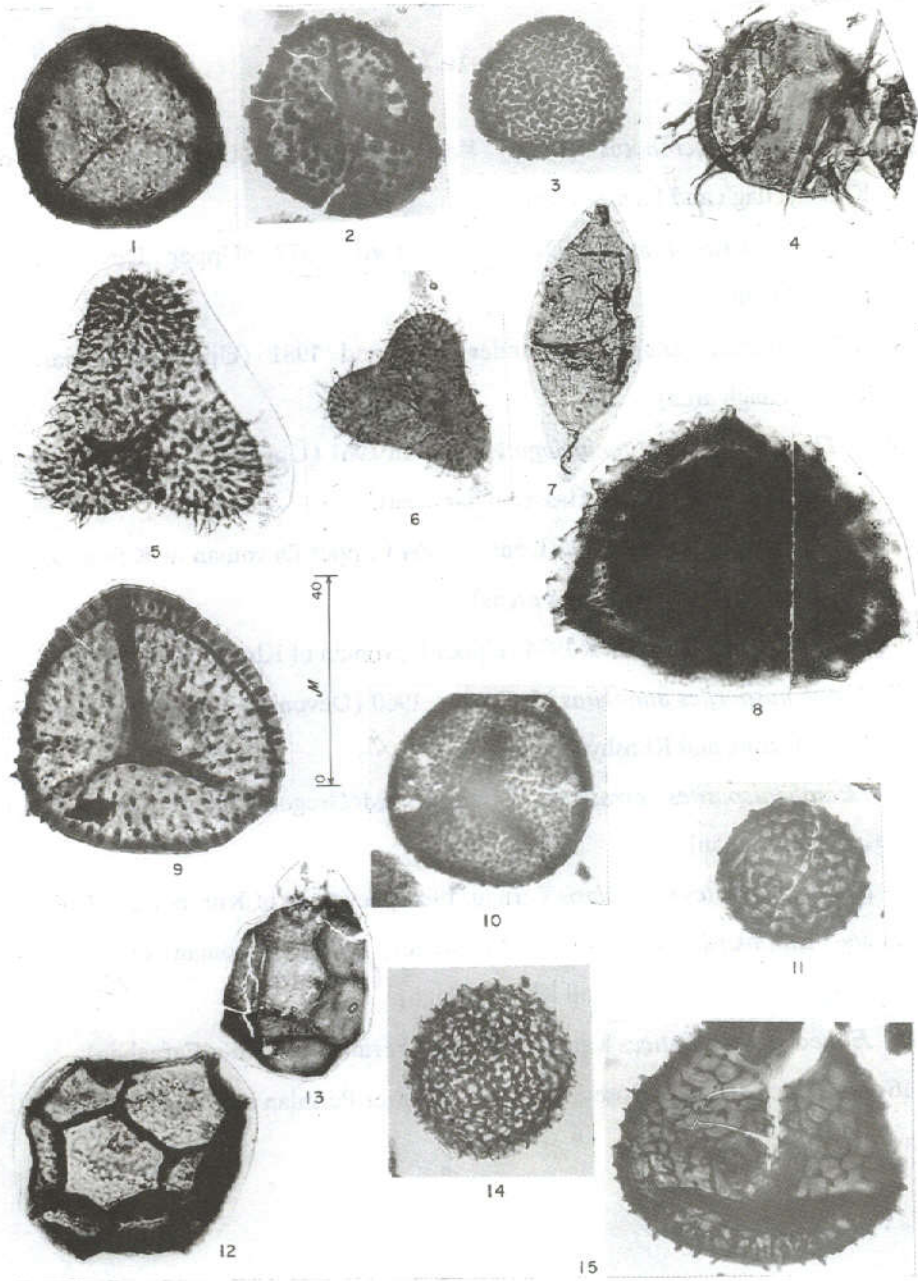


Plate 7

- Fig.1- *Diducites mucronatus* (Kedo) Van Veen, 1981 (Upper Devonian of Khoshyeilagh and Kuh-e- Ozom).
- Fig.2- *Diexallophasis remota* (Deunff) Playford, 1977 (Upper Devonian of Kuh-e-Ozom).
- Fig.3- *Diexallophasis simplex* Wicander & Wood 1981 (Upper Devonian of Khoshyeilagh area).
- Figs.4-6 - *Duvernaysphaera tenuicingulata* Staplin 1961 (Upper Devonian of Kuh-e-Ozom, Khoshyeilagh and Hassanakdar area).
- Figs.7-8 - *Duvernaysphaera tessella* Deunff, 1964 (Upper Devonian of Kuh-e-Ozom, Khoshyeilagh & Hassanakdar areas).
- Fig.9- *Estiastra rugosa* Wicander, 1974 (Upper Devonian of Khoshyeilagh area).
- Fig.10- *Emphanisporites annulatus* McGregor, 1960 (Devonian of Kuh-e- Faraghan, Kuh-e-Ozom, and Khoshyeilagh).
- Fig.11- *Emphanisporites erraticus* (Eisenack) McGregor, 1916 (Devonian of Kuh-e-Faraghan).
- Fig.12- *Emphanisporites orbicularis* Turnau, 1986 (Devonian of Kuh-e- Faraghan).
- Figs.13-14- *Emphanisporites rotatus* McGregor, 1960 (Devonian of Kuh -e- Faraghan, Kuh-e-Ozom, and Khoshyeilagh).
- Fig.15 - *Ephedripites ellipticus* Kar, 1967 (Lower Permian of Kuh-e-Faraghan).
- Fig. 16- *Fusacolpites ovatus* Bose & Kar, 1966 (Lower Permian of Kuh-e-Faraghan).

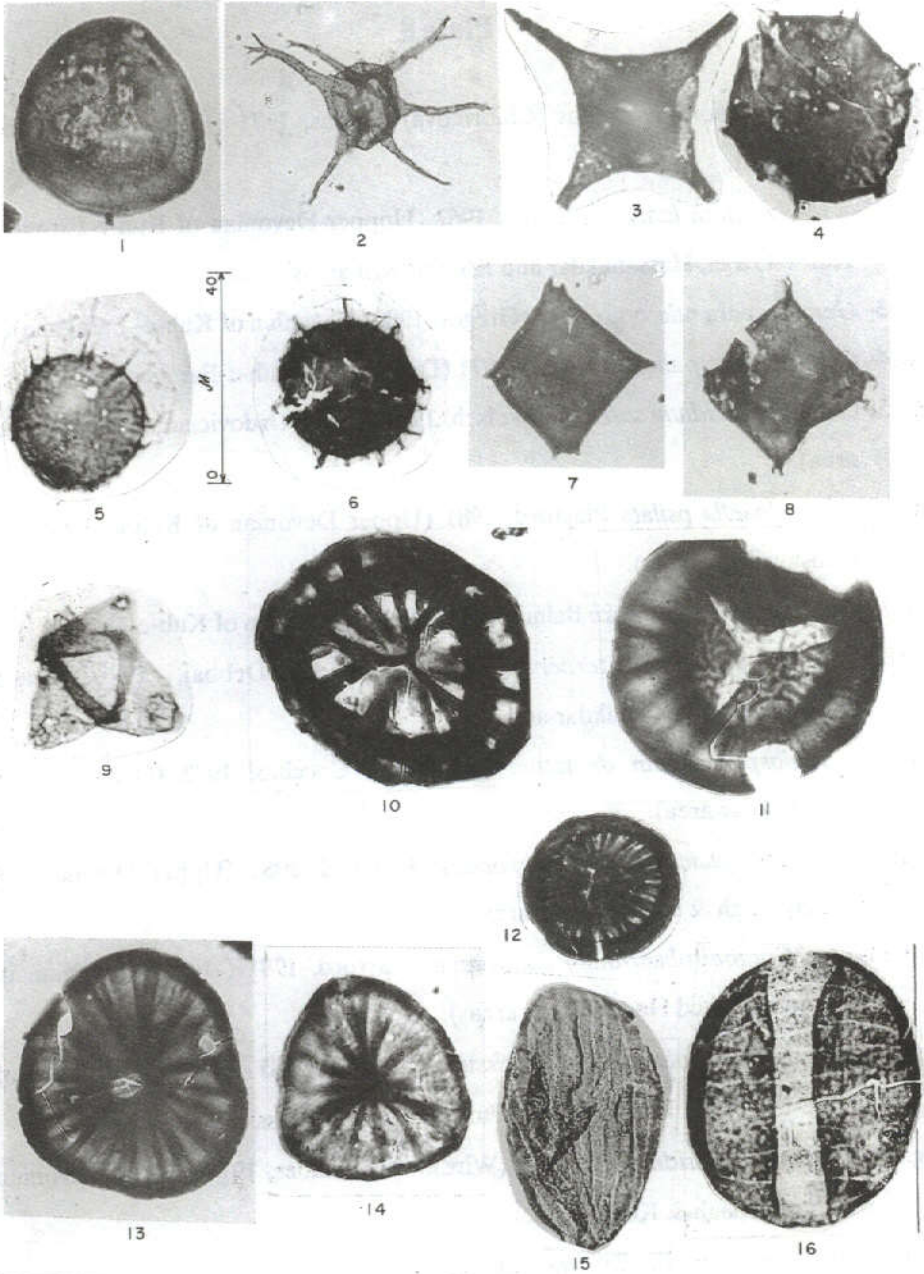


Plate 8

- Fig.1 - *Geminospora anataxios* (Chibrikova) Owens, 1971 (Devonian of Kuh-e-Faraghan).
- Fig.2 - *Geminospora lemurata* Balme, 1962 (Upper Devonian of Kuh-e-Faraghan, Kuh-e-Ozom, Hassanakdar and Khosyeilagh areas).
- Fig.3- *Geminospora micropaxilla* McGregor, 1982 (Devonian of Kuh-e-Faraghan).
- Fig.4- *Geminospora punctata* Owens, 1971 (Devonian of Kuh-e-Faraghan)
- Fig.5- *Goniosphaeridium sufflatum* Welsch, 1986 (Lower Ordovician of Hassanakdar area).
- Fig.6 - *Gneudnaella psilata* Playford, 1981 (Upper Devonian of Kuh-e-Ozom and Khosyeilagh areas).
- Fig.7 - *Gneudnaspora kernickii* Balme, 1988 (Upper Devonian of Kuh-e-Ozom).
- Fig.8- *Goniosphaeridium terner* (Timofeev) Elouad-Debbaj, 1988 (Lower Ordovician of Hassanakdar area).
- Fig.9 - *Goniosphaeridium dentatum* (Timofeev) Cocchio, 1982 (Ordovician of Hassanakdar area).
- Fig.10 - *Gorgonisphaeridium carnarvonense* Playford, 1981 (Upper Devonian of Khosyeilagh & Hassanakdar areas).
- Figs.11-12 - *Gorgonisphaeridium condensum* Playford, 1981 (Upper Devonian of Kuh-e-Ozom and Hassanakdar areas).
- Figs.13-14 - *Gorgonisphaeridium discissum* Playford, 1981 (Upper Devonian of Kuh-e-Faraghan, Kuh-e-Ozom, Khosyeilagh and Hassanakdar areas).
- Fig.15 - *Gorgonisphaeridium ohioense* (Winslow) Wicander, 1974 (Upper Devonian of Khosyeilagh & Kuh-e-Ozom).
- Figs.16-17- *Grandispora fibrilabrata*, Balme, 1988.

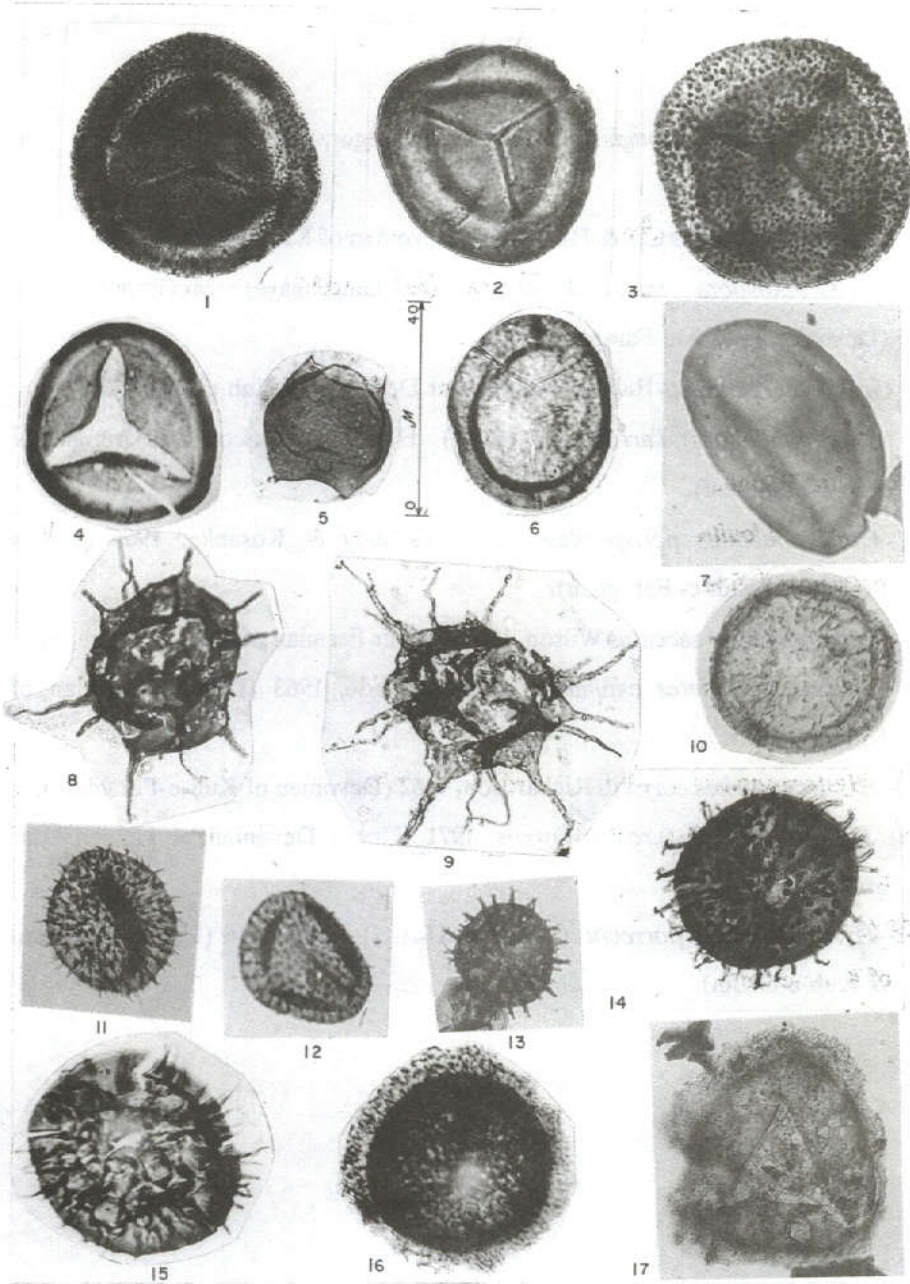


Plate 9

- Fig.1- *Grandispora douglastownense* McGregor, 1973 (Devonian of Kuh-e-Faraghan).
- Fig.2- *Grandispora longus* Chi & Hills, 1976 (Devonian of Kuh-e-Faraghan).
- Figs.3-4- *Grandispora macrotuberculata* (Arkhangelskaya) McGregor, 1973 (Devonian of Kuh-e-Faraghan).
- Fig.5- *Grandispora megista* Balme, 1988 (Upper Devonian of Kuh-e- Ozom).
- Fig.6- *Hamiapollenites karrooensis* (Hart) Hart, 1964 (Lower Permian of Kuh-e-Faraghan).
- Fig.7- *Hamiapollenites perisporites* (Jizba) Tschudy & Kosanke, 1966 (Lower Permian of Kuh-e- Faraghan).
- Fig.8- *Hamiapollenites saccatus* Wilson, 1962 (Lower Permian of Kuh-e-Faraghan).
- Fig.9- *Hymenozonotriletes explanatus* (Luber) Kedo, 1963 (Upper Devonian of Kuh-e-Ozom).
- Fig.10- *Hystricosporites corystus* Richardson, 1962 (Devonian of Kuh-e-Faraghan).
- Fig.11- *Hystricosporites furcatus* Owens, 1971 (Upper Devonian of Hassanakdar area).
- Fig.12- *Hystricosporites porrectus* (Balme & Hassel) Allen, 1956 (Upper Devonian of Kuh-e-Ozom).

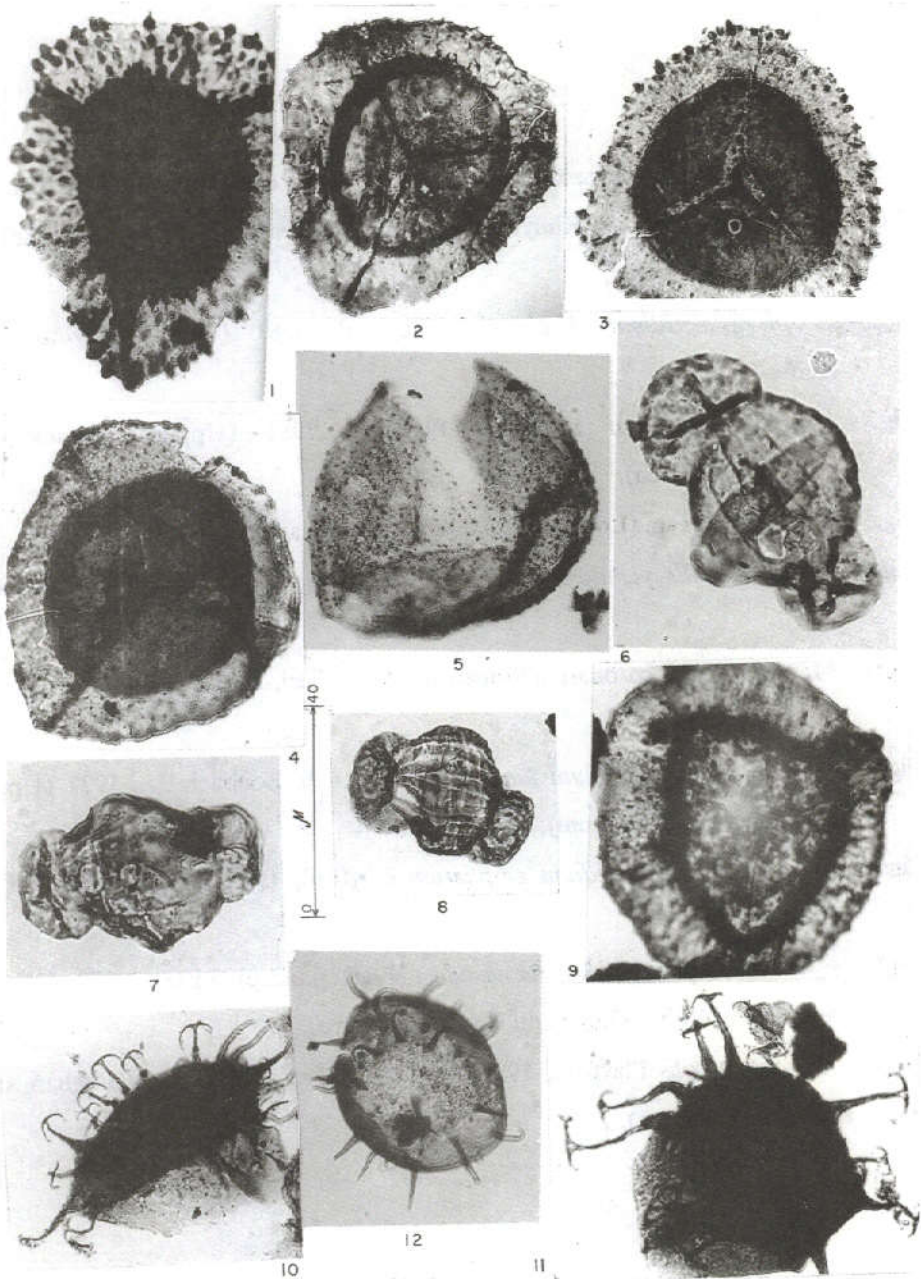


Plate 10

- Fig.1- *Laevigatosporites vulgaris* Ibrahim, 1935 (Lower Permian of Kuh-e-Faraghan)
- Fig.2 - *Lagenicula minutus* Kimyai, 1979 (Upper Devonian of Hassanakdar and Khoshyeilagh areas).
- Fig.3- *Lophosphaeridium deminutum* Playford, 1981 (Upper Devonian of Kuh-e-Ozom).
- Fig.4- *Lophosphaeridium segregum* Playford, 1981 (Upper Devonian of Khoshyeilagh area).
- Fig.5- *Lueckisporites* sp. (Lower Permian of Kuh-e-Faraghan).
- Fig.6 - *Melikeriopalla venulosa* Playford, 1981 (Upper Devonian of Hassanakdar area).
- Fig.7 - *Micrhystridium coronatum* Stockmans & Willieri, 1963 (Upper Devonian of Kuh-e-Ozom).
- Figs.8-9 - *Multiplicisphaeridium amitum* Wicander & Loeblich Jr., 1977 (Upper Devonian of Kuh-e-Ozom).
- Figs.10-11- *Multiplicisphaeridium ampliutum* Playford, 1977 (Upper Devonian of Kuh-e-Ozom).
- Fig.12 - *Multiplicisphaeridium ramusculosum* (Deflandre) Lister, 1970 (Upper Devonian of Kuh-e-Ozom and Hassanakdar areas).
- Fig.13 - *Navifusa exilis* Playford, 1981 (Upper Devonian of Kuh-e-Faraghan and Khoshyeilagh areas).

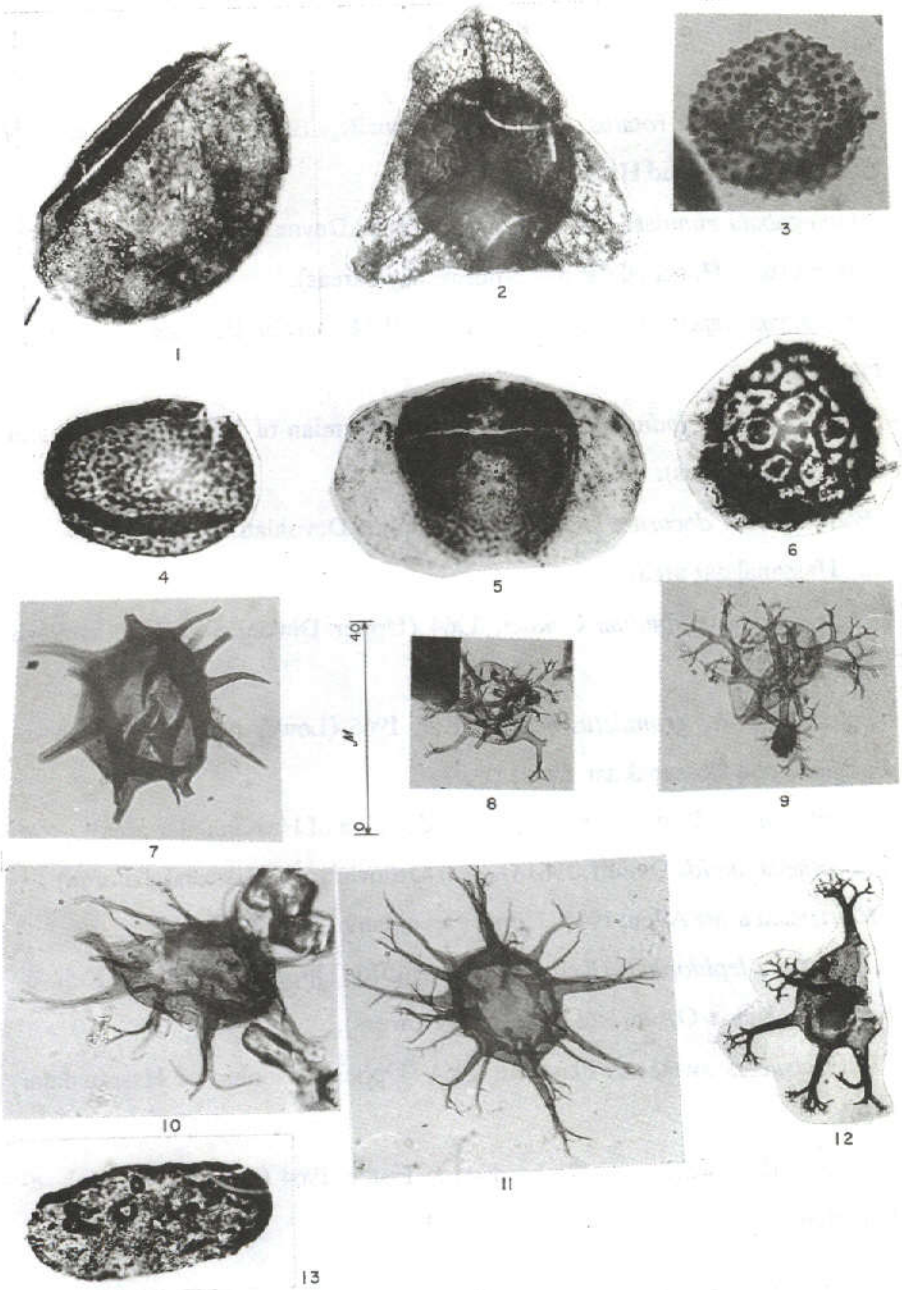
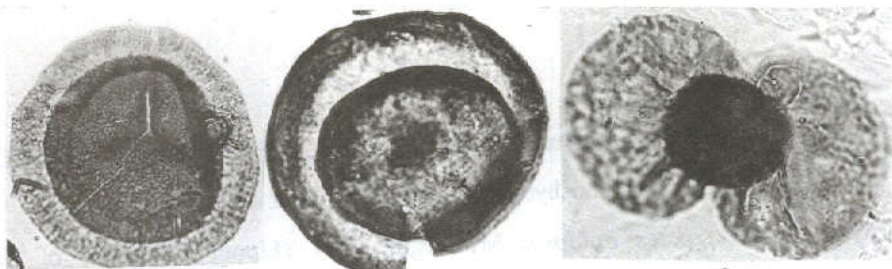


Plate 11

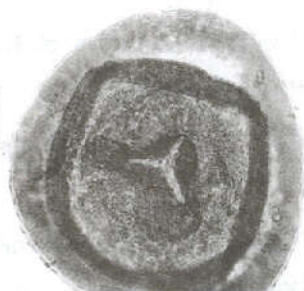
- Fig.1 - *Nuskoisporites rotatus* Balme & Hennelly, 1966 (Lower Permian of Kuh-e-Faraghan and Hassanakdar areas).
- Fig.2- *Papulogabata annulata* Playford, 1981 (Upper Devonian of Kuh-e-Faraghan, Kuh-e-Ozom, Hassanakdar and Khoshyeilagh areas).
- Fig.3- *Platysaccus papilionis* Potonie & Klaus, 1954 (Lower Permian of Kuh -e-Faraghan).
- Fig.4 - *Plicatipollenites indicus* Lele, 1964 (Lower Permian of Kuh-e-Faraghan and Hassanakdar areas).
- Fig.5 - *Polydrixyium decorum* Deunff, 1955 (Upper Devonian of Kuh-e-Faraghan and Hassanakdar area)
- Fig.6 - *Polydrixyium embudum* Cramer, 1964 (Upper Devonian of Khoshyeilagh area).
- Fig.7 - *Potonicisporites granulatus* Bose & Kar, 1966 (Lower permian of Kuh -e-Faraghan and Hassanakdar areas).
- Fig.8 - *Priscotheca raia* Deunff, 1961 (Lower Ordovician of Hassanakdar area).
- Fig.9 - *Priscotheca tumida* Deunff, 1961 (Lower Ordovician of Hassanakdar area).
- Fig.10 - *Raistrickia arata* Allen, 1965 (Upper Devonian of Kuh -e- Faraghan).
- Fig. 11 - *Retispora lepidophyta* (Kedo) Playford, 1976 (Upper Devonian of Kuh -e-Faraghan, Kuh-e-Ozom, and Khoshyeilagh areas).
- Fig.12- *Retusotriletes avonensis* Playford, 1964 (Upper Devonian of Hassanakdar area).
- Fig.13 - *Retusotriletes dittonensis* Richardson & Lister, 1964 (Devonian of Kuh -e-Faraghan).



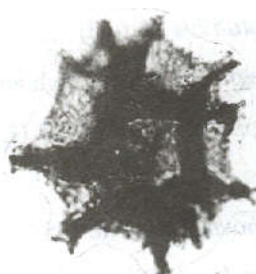
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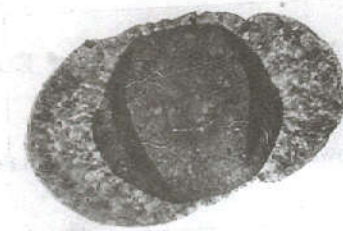
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Plate 12

- Fig.1 - *Retusotriletes distinctus* Richardson, 1967 (Upper Devonian of Kuh-e-Ozom, Kuh-e-Faraghan, Khoshyeilagh and Hassanakdar areas).
- Fig.2 - *Retusotriletes dubiosus* McGregor, 1971 (Upper Devonian of Kuh-e-Faraghan).
- Fig.3 - *Retusotriletes rotundus* (Streel) Streel, 1964 (Upper Devonian of Kuh-e-Ozom, Kuh-e-Faraghan, Khoshyeilagh and Hassanakdar areas).
- Fig.4 - *Retusotriletes rugulatus* Reigel, 1973 (Upper Devonian of Kuh-e-Ozom and Kuh-e-Faraghan)
- Fig.5 - *Retusotriletes pychovii* Naumova, 1953 (Upper Devonian of Kuh-e-Ozom).
- Figs.6-7 - *Rhabdosporites langii* (Eisenack) Richardson, 1960 Upper Devonian of Kuh-e-Faraghan and Khoshyeilagh areas).
- Fig.8 - *Rugospora flexuosa* (Juschko) Streel, 1974 (Upper Devonian of Kuh-e-Faraghan).
- Figs.9-10 - *Saharidia downiei* Combaz, 1967 (Lower Ordovician of Hassanakdar area).
- Figs.11-12 - *Saharidia lusca* Playford, 1981 (Upper Devonian of Hassanakdar, Khoshyeilagh and Kuh-e-Ozom, areas).



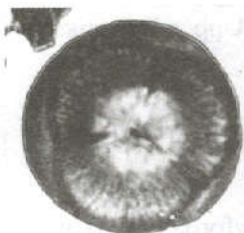
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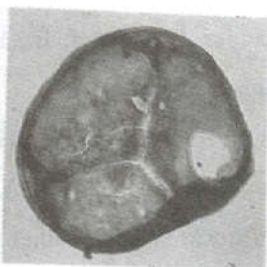
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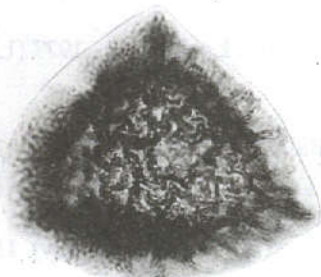
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Plate 13

- Fig.1 - *Samarisporites galeatus* Owens, 1971 (Upper Devonian of Khoshyeilagh area).
- Figs.2-3 - *Samarisporites triangulatus* Allen, 1965 (Upper Devonian of Khoshyeilagh and Kuh-e-Faraghan areas).
- Fig.4 - *Spinozonotriletes naumovii* (Kedo) Richardson, 1965 (Upper Devonian of Kuh-e-Faraghan).
- Figs.5-6 - *Stellinium comptum* Wicander & Loeblich Jr., 1977 (Upper Devonian of Kuh-e-Ozom and Khoshyeilagh areas).
- Figs.7-8 - *Stellinium octoaster* (Staplin) Jardine et al., 1972 (Upper Devonian of Khoshyeilagh, Hassanakdar and Kuh-e-Ozom areas).
- Fig.9 - *Stellinium micropolygonale* (Stockmans & Williere) Playford, 1977 (Upper Devonian of Kuh-e-Faraghan).
- Fig.10 - *Stellinium protubertrum* Wicander & Loeblich Jr., 1977 (Upper Devonian of Kuh-e-Ozom).
- Fig.11 - *Striatoabietites multistriatus* (Balme & Hennelly) Hart, 1964 (Lower Permian of Kuh-e-Faraghan).
- Fig.12 - *Striatopodocarpites cancellatus* (Balme & Hennelly) Hart, 1964 (Lower Permian of Kuh-e-Faraghan and Hassanakdar areas).

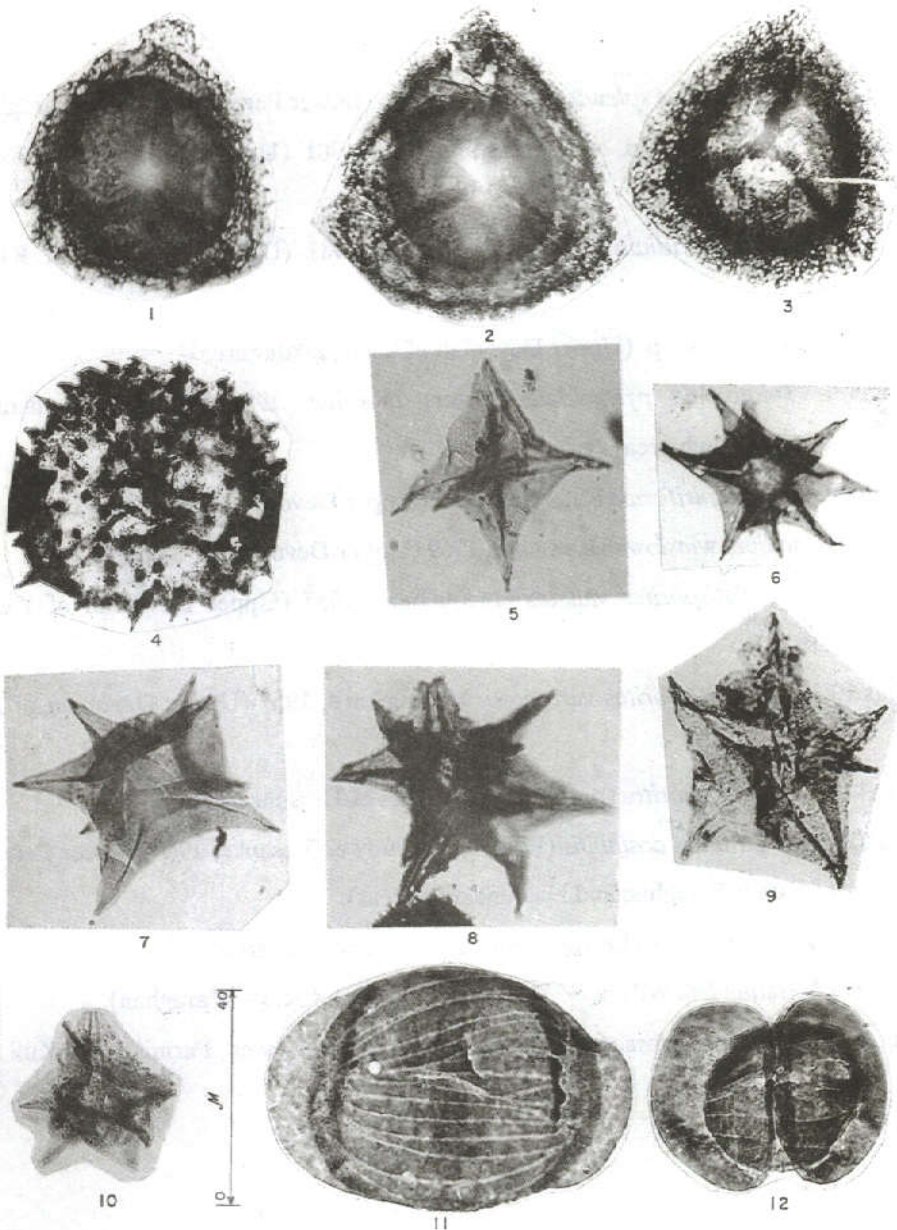


Plate 14

- Fig.1 - *Sulcatisporites splendens* Leischik, 1966 (Lower Permian of Kuh-e-Faraghan).
- Fig.2 - *Synsphaeridium catenarium* Playford, 1981 (Upper Devonian of Kuh-e-Ozom).
- Fig.3 - *Tunisphaeridium flaccidum* Playford, 1981 (Upper Devonian of Kuh-e-Ozom).
- Fig.4 - *Tyligmasoma* sp. (Upper Devonian of Hassanakdar area).
- Fig.5 - *Tylotopalla pyramidale* (Lister) Dorning, 1981 (Upper Devonian of Khoshyeilagh area).
- Fig.6 - *Unellium piriforme* Rauscher, 1969 (Upper Devonian of Kuh-e-Ozom).
- Fig.7 - *Unellium winslowae* Rauscher, 1969 (Upper Devonian of Kuh-e-Ozom).
- Figs.8-9 - *Vallatisporites vallatus* Hacquebard, 1957 (Upper Devonian of Kuh-e-Ozom).
- Figs.10-11 - *Vallatisporites verrucosus* Hacquebard, 1957 (Upper Devonian of Kuh-e-Ozom).
- Fig.12 - *Verrucosisporites* sp. (Upper Devonian of Hassanakdar area).
- Figs.13-14 - *Vittatina costabilis* (Wilson) Tschudy & Kosanke, 1966 (Lower Permian of Kuh-e-Faraghan and Hassanakdar areas).
- Fig.15 - *Vesicaspora* sp. (Lower Permian of Hassanakdar area).
- Fig.16 - *Vittatina lata* Wilson, 1962 (Lower Permian of Kuh-e-Faraghan).
- Fig.17 - *Vittatina subsaccata* Samoilovitch, 1935 (Lower Permian of Kuh -e-Faraghan).

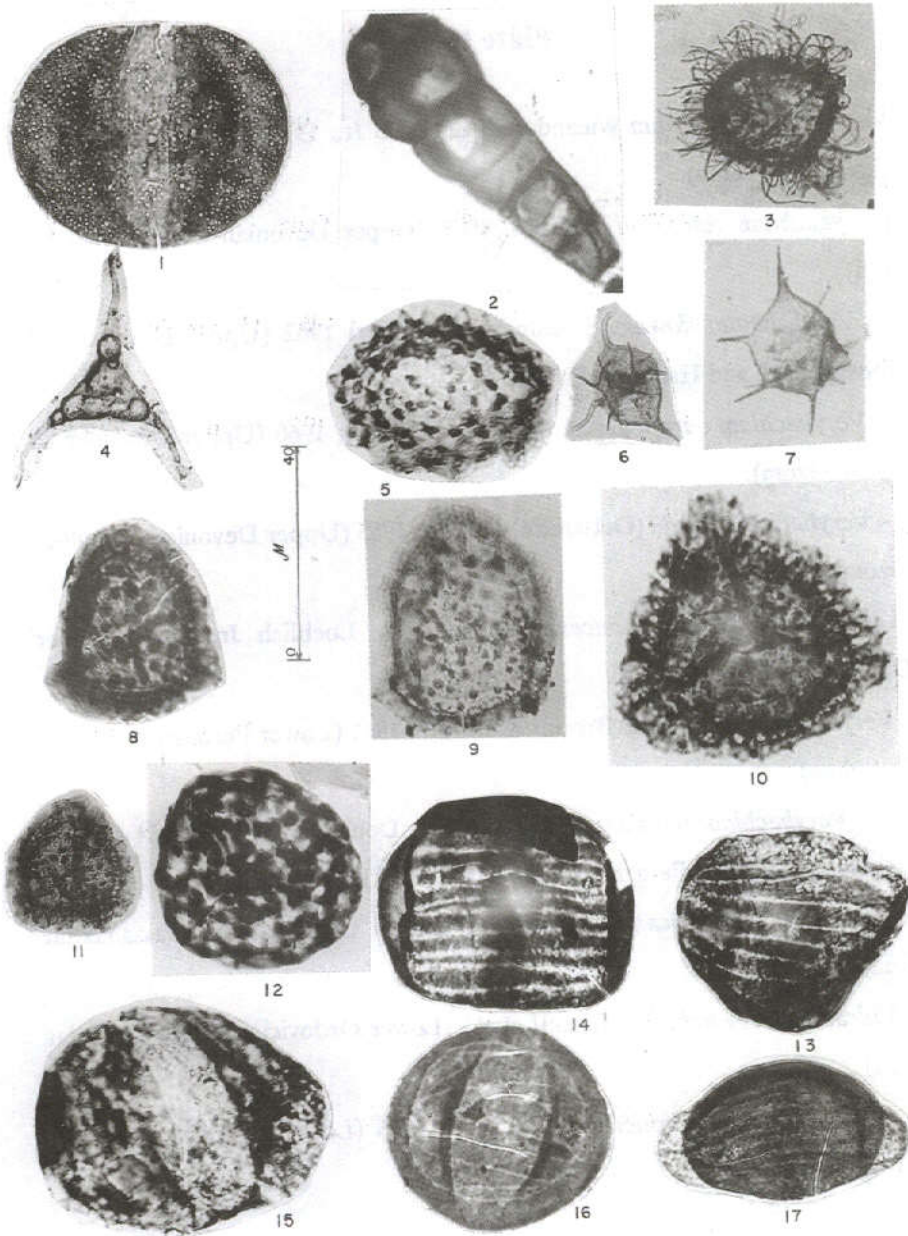


Plate 15

- Fig.1 - *Veryhachium arcarium* Wicander & Loeblich Jr., 1977 (Upper Devonian of Khoshyeilagh area).
- Fig.2 - *Veryhachium colemanii* Playford, 1981 (Upper Devonian of Hassanakdar area).
- Figs.3-4 - *Veryhachium downiei* Stockmans & Willieri 1962 (Upper Devonian of Khoshyeilagh and Hassanakdar areas).
- Figs.5-7 - *Veryhachium europeum* Stockmans & Williere, 1960 (Upper Devonian of Kuh-e-Ozom).
- Figs.8-9 - *Veryhachium lairdii* (Deflandre) Deunff, 1955 (Upper Devonian of Kuh-e-Ozom).
- Figs.10-12 - *Veryhachium pannuceum* Wicander & Loeblich Jr., 1977 (Upper Devonian of Kuh-e-Ozom).
- Fig.13 - *Veryhachium riburgense* Brosius & Bitterli, 1961 (Lower Permian of Kuh-e-Faraghan).
- Figs.14-16 - *Veryhachium trispinosum* (Eisenack & Deunff) Playford, 1954 (Upper Devonian of Kuh-e-Faraghan, Hassanakdar and Kuh-e-Ozom).
- Fig.17 - *Vulcanisphaera africana* Deunff, 1961 (Lower Ordovician of Hassanakdar area)
- Fig.18 - *Vulcanisphaera nebulosa* Deunff, 1961 (Lower Ordovician of Hassanakdar area).
- Fig.19 - *Walikalesaccites ellipticus* Bose & Kar, 1966 (Lower Permian of Kuh-e-Faraghan).

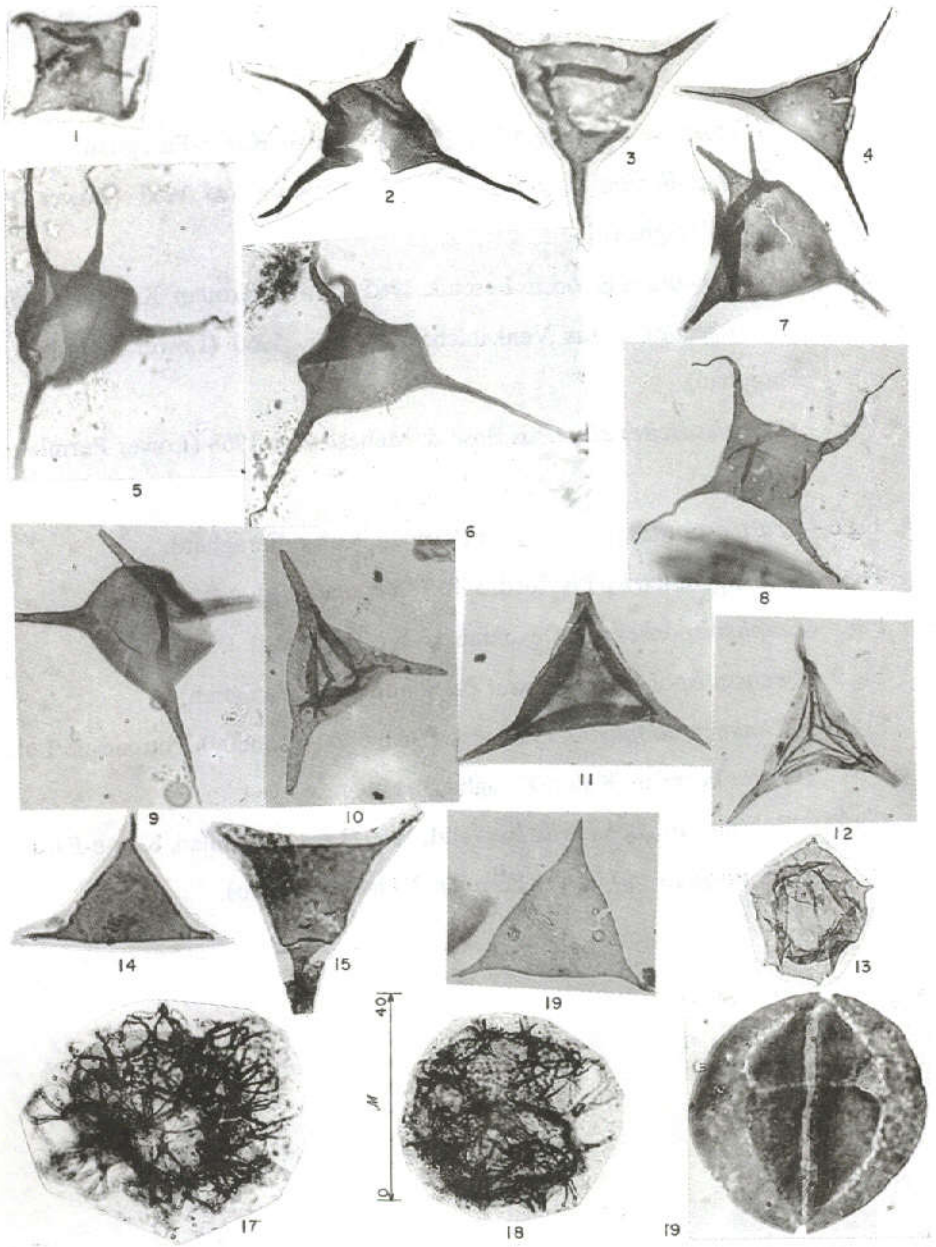


Plate 16

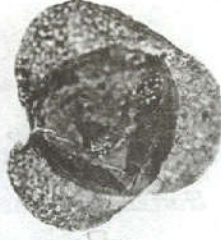
- Fig.1 - *Chelinospora concinna* Allen, 1965 (Devonian, Kuh-e-Faraghan).
- Fig.2 - *Costapollenites ellipticus* Tschudy & Kosanke, 1966 (Lower Permian, Kuh-e-Faraghan).
- Fig.3 - *Crustaesporites globosus* Leschik, 1965 (Lower Permian, Kuh-e-Faraghan).
- Fig.4 - *Corisaccites alutas* Venkatachala & Kar, 1966 (Lower Permian, Kuh-e-Faraghan).
- Fig.5 - *Caheniasaccites ellipticus* Bose & Maheshwari, 1968 (Lower Permian Kuh-e-Faraghan).
- Fig.6 - *Crustaesporites* sp.A. (Lower Permian, Kuh-e-Faraghan).
- Fig.7 - *Evittia geometrica* Playford, 1981 (Devonian, Kuh-e-Faraghan)
- Fig.8 - *Emphanisporites* sp. (Devonian, Kuh-e-Faraghan).
- Fig.9 - *Decussatisporites* sp. (Lower Permian, Kuh-e-Faraghan).
- Fig.10 - *Ginkocycadophytus cymbatus* (Balme & Hennelly) Potonie & Lele, 1961 (Lower Permian, Kuh-e-Faraghan).
- Fig.11 - *Gulisporites cochlearius* Imgrand, 1960 (Lower Permian, Kuh-e-Faraghan).
- Fig.12 - *Grandispora* sp. (Lower Permian, Kuh-e-Faraghan).



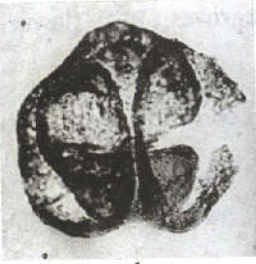
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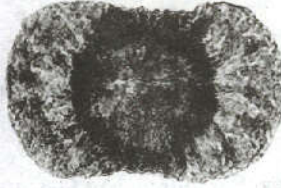
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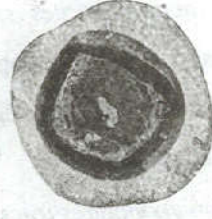
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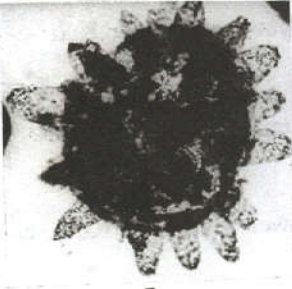
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5



6



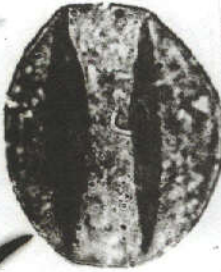
7



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